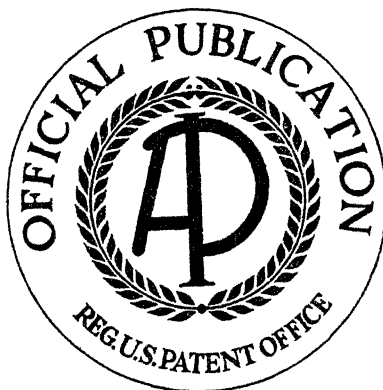


PETROLEUM
FACTS and FIGURES
NINTH EDITION



AMERICAN PETROLEUM INSTITUTE
50 West 50th Street • New York 20, N. Y.

FOREWORD

The countless contributions of petroleum to our daily lives, its impact upon our nation's economy, and its importance in national defense were undreamed of when the first oil well was completed near Titusville, Pa., on August 27, 1859. The tremendous growth of this vigorous competitive industry makes it important to have available, in one volume, as many facts and figures about the industry as possible.

The ninth edition of *Petroleum Facts and Figures* is presented to meet that need. Every effort has been made to provide complete and accurate information on the industry—both current facts and as many historical data as the records yield. This publication supersedes previous editions. Its purpose is to serve as an authoritative reference work for oil men, students, educators, journalists, economists, and all others who have an interest in petroleum.

The spirit of petroleum is reflected in the records of accomplishment contained in this volume. Just as these records are the result of the efforts of the millions of men and women who have played their part in the industry, so is this volume the result of the helpful cooperation of many people. Credit lines beneath each table indicate the source of the data, but we would be remiss if we did not offer heartfelt appreciation to all who have helped to make this volume possible.

Any comments or suggestions for additional information which could be incorporated in future editions are welcome.

Frank M. Porter

President

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UTILIZAT

UTILIZATION

NOTE Footnote (1) is used throughout the book to indicate a preliminary figure

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Use of Petroleum Products at All-Time High in U. S.

U. S. PETROLEUM SUPPLY AND DEMAND (ALL OILS), BY YEARS, 1916-1949

(Thousands of Barrels)

Item	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
NEW SUPPLY											
Domestic production:											
Crude oil	1,840,307	2,020,185	1,856,987	1,733,939	1,713,655	1,677,904	1,505,613	1,386,645	1,402,228	1,353,214	1,284,962
Natural gasoline, etc.	5,042	5,520	4,751	4,751	4,695	4,584	4,118	3,799	3,842	3,697	3,466
Benzol	156,203	146,721	132,173	115,739	112,004	100,046	87,716	83,322	80,855	55,700	51,650
Total production	1,996,699	2,167,264	1,989,850	1,851,748	1,828,539	1,780,350	1,595,729	1,472,364	1,486,518	1,412,081	1,319,110
Imports:											
Crude petroleum	154,922	129,093	97,532	86,066	74,337	44,805	13,833	12,297	50,606	42,662	33,095
Refined products	79,209	59,051	61,857	51,610	39,282	47,506	49,579	23,669	46,536	41,089	25,965
Total new supply, all oils....	2,230,830	2,355,408	2,149,239	1,989,424	1,942,158	1,872,611	1,659,141	1,508,330	1,583,660	1,495,832	1,378,170
Daily average	6,112	6,436	5,888	5,450	5,321	5,117	4,546	4,132	4,339	4,087	3,776
Change in stocks, all oils.....	- 2,774	+ 107,056	- 5,041	+ 43,515	- 13,510	- 6,218	- 12,242	- 58,465	- 10,949	+ 38,746	- 41,865
DEMAND											
Total demand	2,233,604	2,248,352	2,154,280	1,945,909	1,955,668	1,878,879	1,671,383	1,566,815	1,594,609	1,457,086	1,420,035
Daily average	6,119	6,143	5,902	5,331	5,358	5,134	4,579	4,293	4,369	3,981	3,891
Exports:											
Crude petroleum	33,069	39,736	46,355	42,436	32,998	34,238	41,342	33,834	33,238	51,496	72,076
Refined products	86,406	94,938	118,122	110,687	149,985	173,378	108,615	83,073	75,592	78,970	116,883
Domestic demand:											
Motor fuel	912,877	871,270	795,015	735,417	696,333	632,482	568,238	589,110	667,505	589,490	555,509
Kerosine	102,627	112,220	102,519	89,088	75,573	71,812	68,598	69,767	69,469	68,776	60,503
Distillate fuel oil	328,030	340,576	298,273	242,894	228,084	209,320	208,110	185,661	172,824	160,851	134,933
Residual fuel oil	495,321	500,543	518,510	480,029	523,423	512,020	467,008	455,687	380,355	330,383	237,113
Lubricating oil	33,008	35,983	36,481	34,891	35,334	32,263	31,483	29,087	30,355	24,690	23,713
Wax	2,256	2,348	2,478	2,271	2,003	1,832	1,671	1,051	1,275	1,275	1,162
Coke	14,427	11,670	10,082	8,329	6,250	5,250	4,250	3,036	8,143	7,108	7,108
Asphalt	49,378	48,962	47,063	43,923	38,350	38,129	36,404	35,733	35,485	28,182	27,093
Road oil	1,826	1,826	1,826	1,826	1,826	1,560	2,450	8,484	8,980	7,849	7,849
Soil gas	82,542	81,150	85,564	88,136	103,458	102,239	86,755	78,924	83,354	75,950	68,779
Miscellaneous	75,542	72,014	57,483	45,948	37,857	34,108	20,271	14,547	11,862	2,411	2,223
Losses	13,046	27,906	29,308	15,881	22,151	26,642	24,791	25,941	12,609	19,949	18,679
Total domestic demand.....	2,114,129	2,113,678	1,989,803	1,772,685	1,671,283	1,671,283	1,521,426	1,449,908	1,485,779	1,326,620	1,231,076
Daily average	5,792	5,775	5,452	4,912	4,657	4,566	4,168	3,972	4,071	3,625	3,373
STOCKS (end of year)											
Crude oil	253,356	256,627	230,654	230,176	223,259	226,770	250,051	245,754	257,678	276,615	253,308
Natural gasoline	6,831	5,579	4,296	4,981	4,322	4,451	4,541	4,632	4,437	5,704	4,421
Refined products	343,782	342,782	287,103	271,637	235,998	245,868	229,362	247,554	294,310	280,958	268,109
Total, all oils.....	602,969	605,743	502,053	507,094	463,579	477,089	486,698	497,940	556,425	563,277	525,838

U. S. PETROLEUM SUPPLY AND DEMAND (ALL OILS), BY YEARS, 1916-1949—Continued

(Thousands of Barrels)

Item	1938	1937	1936	1935	1934	1933	1932	1931	1930 ^a	1929	1928
NEW SUPPLY											
Domestic production:											
Crude oil	1,214,355	1,279,160	1,099,687	996,596	908,065	905,656	785,159	851,081	898,011	1,007,323	901,474
Daily average	3,337	3,506	3,005	2,730	2,488	2,481	2,145	2,332	2,460	2,760	2,463
Natural gasoline, etc.	51,347	49,177	42,770	39,333	36,558	33,810	36,281	43,617	52,631	52,271	42,326
Benzol	1,764	2,760	2,502	1,871	1,708	1,368	1,031	1,826	2,689	3,055	2,809
Total production	1,267,466	1,331,127	1,144,959	1,037,800	946,329	940,834	822,471	896,524	953,331	1,062,649	946,609
Imports:											
Crude petroleum	26,412	27,484	32,227	32,239	35,558	31,893	44,682	47,250	62,129	78,933	79,767
Refined products	27,896	29,673	32,777	20,396	14,096	13,501	29,812	38,837	43,489	29,777	11,790
Total new supply, all oils	1,321,774	1,368,264	1,202,863	1,094,435	996,823	986,238	896,965	982,611	1,058,949	1,171,359	1,038,166
Daily average	3,621	3,804	3,284	2,987	2,731	2,702	2,451	2,692	2,901	3,209	2,837
Change in stocks, all oils	- 9,077	+ 45,768	- 22,685	- 22,238	- 37,648	+ 11,013	- 41,792	- 44,989	- 24,000	+ 68,156	+ 22,775
DEMAND											
Total demand	1,330,851	1,342,516	1,224,748	1,112,673	1,034,671	975,215	938,757	1,027,600	1,082,949	1,103,203	1,015,391
Daily average	3,646	3,678	3,346	3,048	2,835	2,672	2,585	2,815	2,967	3,022	2,774
Exports:											
Crude petroleum	77,254	67,234	50,313	51,430	41,127	36,584	27,393	25,535	23,705	26,401	18,866
Refined products	116,474	105,600	81,681	77,557	73,380	70,143	75,882	98,859	132,794	136,719	135,991
Domestic demand:											
Motor fuel	523,003	519,352	481,606	434,810	410,339	377,003	373,900	403,418	394,800	375,999	332,033
Kerosene	56,360	54,972	51,438	47,645	44,234	38,493	33,221	31,296	34,736	36,032	36,235
Distillate fuel oil	117,949	116,841	102,757	86,028	74,824	64,748	65,101	334,668	368,531	415,156	383,974
Residual fuel oil	201,833	325,541	302,934	280,695	265,547	258,957	243,056	206,988	21,589	23,609	23,168
Lubricating oil	21,233	23,323	22,077	19,681	18,484	17,152	16,614	20,068	21,589	23,609	23,168
Wax	995	1,082	1,067	933	857	1,283	945	7,920	7,920	.....	.....
Coke	5,589	5,765	6,466	6,703	7,540	9,922	9,592	7,820	7,820	.....	.....
Asphalt	24,155	21,876	20,295	15,652	13,924	11,808	12,652	14,729	14,729	.....	.....
Road oil	7,847	7,154	7,279	5,982	6,378	5,268	6,648	5,078	5,078	.....	.....
Still gas	65,890	62,218	57,216	51,184	44,391	45,212	40,905	38,630	38,630	.....	.....
Miscellaneous	1,776	2,248	2,099	1,973	2,126	1,464	1,978	3,906	3,906	.....	.....
Losses	20,993	26,586	32,394	32,440	31,520	44,521	30,870	42,605	42,605	.....	.....
Total domestic demand	1,137,123	1,169,682	1,092,754	983,686	920,164	868,488	835,482	903,206	926,480	940,083	860,434
Daily average	3,115	3,205	2,986	2,695	2,521	2,379	2,283	2,474	2,538	2,576	2,357
STOCKS (end of year)											
Crude oil	290,632	320,338	288,579	314,855	337,254	354,223	339,875	370,194	411,862	535,514	491,847
Natural gasoline	4,830	4,758	4,055	3,698	4,216	3,680	3,203	2,825	3,100	604	807
Refined products	272,241	239,901	226,595	223,361	222,682	244,295	249,116	258,879	251,680	153,379	128,556
Total, all oils	567,703	564,997	519,229	541,914	564,152	602,198	592,194	631,898	666,662	689,497	621,010

U. S. PETROLEUM SUPPLY AND DEMAND (ALL OILS), BY YEARS, 1916-1949—Continued

(Thousands of Barrels)

Item	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916
NEW SUPPLY												
Domestic production:												
Crude oil	901,129	770,874	763,743	713,940	732,407	557,531	472,183	442,929	378,367	355,928	335,316	300,767
Refined products	2,429	2,112	2,092	1,951	2,007	1,528	1,294	1,210	1,107	975	919	822
Natural gasoline, etc.	36,685	32,305	26,307	22,235	19,434	12,044	10,713	9,161	8,370	6,277	5,183	2,464
Benzol	59,582	2,112	1,857	2,203	2,327	1,688	1,348	1,771	1,497	1,273	.....	.....
Total production	942,348	805,291	791,907	738,378	754,168	571,263	484,244	453,861	388,234	363,928	.....	.....
Imports:												
Crude petroleum	58,383	60,382	61,824	77,775	82,015	127,308	125,364	106,175	52,822	37,736	30,163	20,797
Refined products	13,353	20,338	16,376	16,806	17,638	8,665	3,428	2,647	1,376	1,227	1,400	447
Total new supply, all oils....	1,014,084	886,611	870,107	832,959	853,812	707,236	613,036	562,883	442,432	402,891	.....	.....
Daily average	2,778	2,429	2,384	2,276	2,339	1,938	1,680	1,537	1,212	1,104	.....	.....
Change in stocks, all oils.....	+ 70,092	- 26,419	+ 29,291	- 27,697	+ 99,461	+ 102,024	+ 84,583	+ 29,303	+ 4,053	- 24,518	.....	.....
DEMAND												
Total demand	943,992	913,030	840,816	805,062	754,360	605,212	528,453	535,380	438,379	427,409	.....	.....
Daily average	2,586	2,501	2,304	2,200	2,067	1,658	1,448	1,463	1,201	1,171	.....	.....
Exports:												
Crude petroleum	15,844	15,407	13,337	18,239	17,534	10,805	9,627	9,295	6,348	5,884	4,901	4,098
Refined products	125,805	116,543	100,497	98,905	84,447	63,539	62,025	70,281	57,500	62,128	59,602	58,361
Domestic demand:												
Motor fuel	299,818	264,391	223,865	185,003	156,746	127,906	107,525	101,708	81,783	74,506	56,313	.....
Kerosene	37,491	36,142	39,969	36,712	35,048	34,854	29,537	33,082	33,188	34,442	.....	.....
Distillate fuel oil.....	a 339,265	339,572	307,004	290,766	261,388	237,063	195,656	185,972	163,803	142,751	131,633	.....
Residual fuel oil.....	.....	.....	.....	18,124	17,260	15,528	12,047	14,742	13,600	13,822	.....	.....
Lubricating oil	21,669	22,568	20,581	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wax .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coke .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Asphalt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Refr. oil .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Still gas .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Miscellaneous .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Losses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total domestic demand.....	802,343	781,080	726,982	687,918	652,379	530,868	456,801	455,804	374,531	359,397	.....	.....
Daily average	2,198	2,140	1,992	1,880	1,787	1,454	1,252	1,245	1,026	985	.....	.....
STOCKS (end of year)												
Crude oil	473,379	396,395	421,243	409,230	364,662	283,202	.....	.....	.....	.....	.....	.....
Refined petroleum	734	455	326	.....	.....	.....	.....	.....	.....	.....	.....	.....
Natural gasoline	123,030	120,449	102,366	117,391	.....	.....	.....	.....	.....	.....	.....	.....
Refined products	597,143	520,097	542,018	511,596	482,053	.....	.....	.....	.....	.....	.....	.....
Total, all oils.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Preliminary.

² Prior to 1932 the Bureau of Mines did not report separately gas oil, distillate fuel oils, and residual fuel oils.

³ No breakdown of domestic demand by products is available prior to 1931 for other than liquid petroleum products. Aviation gasoline is included with motor fuel from 1920-1949.

Authority. Bureau of Mines

Motor Fuel Leading Petroleum Product for 20 Years

U. S. DEMAND AND EXPORTS OF CRUDE OIL AND PRODUCTS, BY TYPE OF PRODUCT, 1918-1949

(Thousands of Barrels)

Year	Total Crude Oil and Products			Motor Fuel			Gas Oil and Distillate Fuel Oils			Residual Fuel Oils			Total Fuel Oils			All Other Products and Crude Oil		
	Annual Total	Daily Average	Annual Total	Annual Total	Daily Average	Annual Total	Annual Total	Daily Average	Annual Total	Annual Total	Daily Average	Annual Total	Annual Total	Daily Average	Annual Total	Annual Total	Daily Average	Annual Total
1949 ¹	2,233,604	6,119.5	952,356	340,219	932.1	507,962	1,391.7	1,391.7	848,181	2,323.8	1,186.5	433,067	1,186.5	433,067	1,186.5	433,067	1,186.5	433,067
1948	2,348,352	6,443.0	908,572	361,869	988.7	513,554	1,403.2	1,403.2	875,423	2,391.9	1,268.7	464,357	1,268.7	464,357	1,268.7	464,357	1,268.7	464,357
1947	2,154,280	5,902.1	842,464	328,150	899.0	529,133	1,449.7	1,449.7	857,283	2,348.7	1,245.3	454,533	1,245.3	454,533	1,245.3	454,533	1,245.3	454,533
1946	1,945,909	5,331.2	784,392	272,381	746.2	489,217	1,340.3	1,340.3	761,598	2,086.6	1,105.6	403,560	1,105.6	403,560	1,105.6	403,560	1,105.6	403,560
1945	1,955,668	5,357.9	784,392	259,580	711.2	535,092	1,466.0	1,466.0	794,572	2,177.2	1,031.8	376,604	1,031.8	376,604	1,031.8	376,604	1,031.8	376,604
1944	1,878,879	5,133.5	733,019	252,811	690.7	524,556	1,433.2	1,433.2	777,367	2,124.0	1,006.8	368,493	1,006.8	368,493	1,006.8	368,493	1,006.8	368,493
1943	1,871,383	5,129.1	733,019	233,067	638.5	481,902	1,320.3	1,320.3	714,969	1,958.8	922.2	336,599	922.2	336,599	922.2	336,599	922.2	336,599
1942	1,566,815	4,292.6	624,207	207,236	567.8	417,792	1,144.6	1,144.6	625,028	1,712.4	870.1	317,580	870.1	317,580	870.1	317,580	870.1	317,580
1941	1,594,609	4,368.8	694,588	189,749	519.9	397,536	1,087.1	1,087.1	587,285	1,609.0	856.8	312,736	856.8	312,736	856.8	312,736	856.8	312,736
1940	1,457,086	3,981.0	614,867	179,991	491.8	356,272	973.4	973.4	536,263	1,465.2	835.9	305,956	835.9	305,956	835.9	305,956	835.9	305,956
1939	1,420,035	3,890.5	600,147	166,993	457.5	340,973	934.2	934.2	507,966	1,391.7	854.6	311,922	854.6	311,922	854.6	311,922	854.6	311,922
1938	1,330,850	3,646.2	573,112	147,090	403.0	309,753	848.6	848.6	456,843	1,251.6	824.4	300,895	824.4	300,895	824.4	300,895	824.4	300,895
1937	1,342,516	3,678.1	557,658	146,970	402.7	340,818	933.7	933.7	487,788	1,336.4	813.9	297,070	813.9	297,070	813.9	297,070	813.9	297,070
1936	1,224,748	3,346.3	510,252	123,205	336.6	322,319	880.7	880.7	445,524	1,217.3	734.9	268,972	734.9	268,972	734.9	268,972	734.9	268,972
1935	1,112,673	3,048.4	465,423	102,277	280.2	293,394	803.8	803.8	395,671	1,084.0	689.3	251,579	689.3	251,579	689.3	251,579	689.3	251,579
1934	1,034,672	2,834.7	435,025	89,330	244.7	279,646	766.2	766.2	368,976	1,010.9	632.0	230,671	632.0	230,671	632.0	230,671	632.0	230,671
1933	975,214	2,671.8	409,815	76,172	208.9	268,096	734.5	734.5	344,268	943.2	605.8	221,131	605.8	221,131	605.8	221,131	605.8	221,131
1932	938,757	2,564.9	413,229	73,883 ²	201.9 ²	254,268 ²	694.7 ²	694.7 ²	328,151	896.6	539.3	197,377	539.3	197,377	539.3	197,377	539.3	197,377
1931	1,027,274	2,814.5	453,559	1,242.6	.....	.....	.....	.....	363,899	997.0	574.9	209,816	574.9	209,816	574.9	209,816	574.9	209,816
1930	1,083,511	2,968.8	463,184	1,269.0	.....	.....	.....	.....	404,981	1,109.5	590.0	215,346	590.0	215,346	590.0	215,346	590.0	215,346
1929	1,103,203	3,022.5	444,937	1,219.0	.....	.....	.....	.....	454,307	1,244.7	558.8	203,959	558.8	203,959	558.8	203,959	558.8	203,959
1928	1,014,716	2,772.4	392,293	1,071.8	.....	.....	.....	.....	428,401	1,170.5	530.1	194,022	530.1	194,022	530.1	194,022	530.1	194,022
1927	944,762	2,588.4	350,318	959.8	.....	.....	.....	.....	386,656	1,059.3	569.3	207,788	569.3	207,788	569.3	207,788	569.3	207,788
1926	912,893	2,501.1	311,897	854.5	.....	.....	.....	.....	377,923	1,035.4	611.2	237,072	611.2	237,072	611.2	237,072	611.2	237,072
1925	840,818	2,303.6	264,429	724.5	.....	.....	.....	.....	343,092	937.2	641.9	223,297	641.9	223,297	641.9	223,297	641.9	223,297
1924	805,070	2,199.6	225,737	616.8	.....	.....	.....	.....	328,015	896.2	686.6	251,318	686.6	251,318	686.6	251,318	686.6	251,318
1923	754,361	2,066.7	195,556	535.8	.....	.....	.....	.....	294,760	807.6	723.3	264,045	723.3	264,045	723.3	264,045	723.3	264,045
1922	605,540	1,659.0	152,132	416.8	.....	.....	.....	.....	255,542	700.1	542.1	197,866	542.1	197,866	542.1	197,866	542.1	197,866
1921	529,402	1,450.4	130,203	356.7	.....	.....	.....	.....	218,332	598.2	495.5	180,867	495.5	180,867	495.5	180,867	495.5	180,867
1920	535,382	1,462.8	124,623	340.5	.....	.....	.....	.....	208,052	568.4	553.9	202,707	553.9	202,707	553.9	202,707	553.9	202,707
1919	438,434	1,201.2	97,790	267.9	.....	.....	.....	.....	180,290	493.9	439.4	160,354	439.4	160,354	439.4	160,354	439.4	160,354
1918	.....	.....	93,599	256.4	.....	.....	.....	.....	172,387	472.3	.....	.....	.....	.....	.....	.....	.....	.....

¹ Preliminary.

² Prior to 1932 gas oil and distillate fuel oils, were not reported separately.

Authority: Bureau of Mines.

U. S. Demand for Crude Shows Fourfold Increase Since World War I

TOTAL U. S. DEMAND AND EXPORTS OF CRUDE OIL AND PRODUCTS, BY YEARS, 1919-1949

(Thousands of Barrels)

Year	Total U. S. Demand and Exports		U. S. Demand		Exports	
	Annual Total	Daily Average	Annual Total	Daily Average	Annual Total	Daily Average
1949 ¹	2,233,604	6,119	2,114,129	5,792	119,475	327
1948	2,248,352	6,143	2,113,678	5,775	134,674	368
1947	2,154,280	5,902	1,989,803	5,452	164,477	451
1946	1,945,909	5,331	1,792,786	4,912	153,123	420
1945	1,955,668	5,358	1,772,685	4,857	182,983	501
1944 ²	1,878,879	5,134	1,671,263	4,566	207,616	567
1943 ²	1,671,383	4,579	1,521,426	4,168	149,957	411
1942 ²	1,566,815	4,293	1,449,908	3,972	116,907	321
1941	1,594,609	4,369	1,485,779	4,071	108,830	298
1940	1,457,086	3,981	1,326,620	3,625	130,466	357
1939	1,420,035	3,891	1,231,076	3,373	188,959	518
1938	1,330,850	3,646	1,137,122	3,115	193,728	531
1937	1,342,516	3,678	1,169,682	3,205	172,834	474
1936	1,224,748	3,346	1,092,754	2,986	131,994	361
1935	1,112,672	3,048	983,685	2,695	128,987	353
1934	1,034,672	2,835	920,165	2,521	114,507	314
1933	975,214	2,672	868,487	2,379	106,727	292
1932	938,757	2,565	835,482	2,283	103,275	282
1931	1,027,274	2,815	902,920	2,474	124,354	341
1930	1,083,511	2,969	927,016	2,540	156,495	429
1929	1,103,203	3,023	940,083	2,576	163,120	447
1928	1,014,716	2,772	859,759	2,349	154,957	423
1927	944,702	2,588	802,499	2,199	142,263	390
1926	912,893	2,501	780,487	2,138	132,406	363
1925	840,818	2,304	726,797	1,991	114,021	312
1924	805,070	2,200	687,742	1,879	117,328	321
1923	754,361	2,067	652,027	1,766	102,334	280
1922	605,540	1,659	530,990	1,455	74,550	204
1921	529,402	1,450	457,521	1,254	71,881	197
1920	535,382	1,463	455,764	1,245	79,618	218
1919	438,434	1,201	374,541	1,026	63,893	175

¹ Preliminary.

² U. S. demand includes the entire requirements of the U. S. armed services, regardless of whether demand occurs in foreign countries. Exports include lend-lease.

Authority: Bureau of Mines.

Domestic Crude Supplies 90 Per Cent of U. S. Demand

U. S. CRUDE-OIL SUPPLY AND DEMAND

(Thousands of Barrels)

	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940
Crude oil produced.....	1,840,307	2,020,185	1,956,987	1,733,939	1,713,655	1,677,904	1,505,613	1,386,645	1,402,228	1,353,214
Crude oil imported.....	154,322	129,093	97,532	86,066	74,337	44,805	13,833	12,297	50,606	42,662
Total new supply.....	1,995,229	2,149,278	1,954,519	1,820,005	1,787,992	1,722,709	1,519,446	1,398,942	1,452,834	1,395,876
Change in stocks ²	- 3,271	+ 25,973	+ 478	+ 6,917	- 3,511	- 22,435	+ 6,041	- 11,924	- 16,937	+ 23,307
Indicated total demand.....	1,998,500	2,123,305	1,954,041	1,813,088	1,791,503	1,745,144	1,513,405	1,410,866	1,471,771	1,372,569
Crude oil exported.....	33,069	39,736	46,355	42,436	32,998	34,238	41,342	33,834	33,238	51,496
Indicated domestic demand.....	1,965,431	2,083,569	1,907,686	1,770,652	1,758,505	1,710,906	1,472,063	1,377,032	1,438,533	1,321,073
Crude oil run to stills.....	1,945,519	2,048,349	1,852,246	1,730,197	1,719,534	1,665,684	1,429,738	1,334,103	1,409,192	1,294,162
Transfers to distillate principally for use as pipe-line fuel.....	2,701	3,543	3,263	3,123	3,047	3,242	3,070	2,484	2,383	2,576
Transfers to residual.....	4,750	23,847	27,091	23,142	20,727	26,515	24,087	19,295	13,099	7,699
Total reported transfers.....	7,451	27,390	30,354	26,265	23,774	31,757	27,157	21,779	15,482	10,275
Other crude as such, and losses to balance.	12,461	7,830	25,086	14,190	15,197	13,465	15,168	21,150	13,859	16,636

¹ Preliminary.

² Includes change in stocks of heavy (non-gasoline-bearing) crude in California.

Authority: Bureau of Mines.

1949 U. S. Motor-Fuel Consumption 54 Per Cent Above 1945

U. S. CONSUMPTION OF MOTOR FUEL, BY STATES¹ AND BY YEARS, 1930-1949

(Thousands of Gallons)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940
Alabama	514,034	476,361	437,159	393,705	307,361	263,087	261,349	309,800	328,414	264,908
Arizona	121,480	207,289	190,289	171,519	133,052	129,269	127,793	127,207	128,157	110,716
Arkansas	354,699	327,631	301,008	274,793	214,907	179,268	179,444	206,773	224,278	190,265
California	3,759,242	3,643,263	3,408,051	3,169,368	2,761,926	2,417,752	2,329,930	2,235,258	2,241,085	1,927,873
Colorado	421,230	395,468	371,902	338,129	296,563	297,076	241,228	244,931	267,029	251,012
Connecticut	469,317	442,174	421,564	384,544	300,001	273,222	260,372	337,459	421,468	380,876
Delaware	91,421	83,494	78,064	54,924	48,010	50,211	48,010	54,697	68,118	62,799
District of Columbia	182,898	167,673	157,689	145,745	118,065	108,730	105,538	149,793	191,552	169,127
Florida	782,046	728,704	652,631	571,651	437,716	391,486	366,452	441,126	475,696	407,939
Georgia	686,910	638,172	589,900	542,602	417,779	377,099	346,922	362,019	449,933	392,550
Idaho	183,643	174,896	165,752	147,860	113,557	95,669	92,633	106,102	117,011	106,992
Illinois	2,089,184	1,970,904	1,810,477	1,643,819	1,273,244	1,166,325	1,164,563	1,415,704	1,637,445	1,509,632
Indiana	1,109,665	1,052,495	985,823	886,643	757,652	696,877	672,544	741,625	821,703	721,360
Iowa	585,111	550,020	786,933	749,924	524,812	524,812	484,418	543,839	612,269	572,785
Kansas	703,351	679,819	639,993	596,464	493,776	442,169	437,080	467,206	540,622	501,593
Kentucky	525,272	491,085	453,995	409,963	366,611	294,778	265,686	281,314	333,417	292,095
Louisiana	216,210	439,830	416,532	376,360	319,816	306,067	302,502	301,619	343,508	278,339
Maine	432,239	209,998	200,890	184,571	148,569	130,727	111,708	133,895	173,811	157,361
Maryland	444,031	444,031	417,639	380,306	328,913	295,577	270,787	313,434	365,521	314,606
Massachusetts	921,365	866,007	820,815	750,258	599,535	536,091	466,992	607,089	804,496	747,204
Michigan	1,771,163	1,723,431	1,621,399	1,455,290	1,171,630	1,083,842	978,851	1,207,730	1,392,274	1,259,108
Minnesota	667,346	623,346	763,653	711,664	539,665	463,239	442,450	547,244	608,213	582,155
Mississippi	360,951	360,951	336,885	305,089	238,548	205,778	203,718	238,769	254,895	214,508
Missouri	1,062,339	984,279	897,036	814,968	698,693	530,863	521,872	644,095	775,897	698,181
Montana	213,976	204,137	186,248	175,235	132,793	116,515	110,341	126,907	148,387	137,591
Nebraska	421,621	401,621	369,362	327,428	285,878	235,554	226,439	234,926	251,545	236,437
Nevada	167,029	165,445	153,636	159,810	51,773	61,573	42,256	48,721	49,753	43,799
New Hampshire	124,751	120,207	113,293	103,681	76,514	66,695	54,745	77,575	102,038	95,827
New Jersey	1,200,104	1,108,824	1,027,093	935,235	748,064	691,877	663,843	808,128	1,007,629	924,961
New Mexico	205,093	195,863	179,521	163,768	130,015	110,821	99,564	98,647	109,973	99,554
New York	2,465,839	2,283,084	2,121,364	1,945,783	1,490,981	1,392,523	1,268,045	1,585,338	2,058,071	1,970,554
North Carolina	832,485	762,752	700,939	636,469	477,627	406,282	364,717	425,540	542,774	459,409
North Dakota	262,093	250,519	237,688	228,216	190,869	171,126	154,158	164,998	165,782	152,784
Ohio	2,064,927	1,952,423	1,774,889	1,627,797	1,403,260	1,365,851	1,250,830	1,472,565	1,639,314	1,470,821
Oklahoma	648,360	614,744	581,297	524,668	572,001	477,928	400,096	422,800	477,436	444,507
Oregon	480,221	472,828	433,243	380,781	279,798	263,069	255,326	279,815	303,646	262,512
Pennsylvania	2,070,046	1,971,338	1,813,918	1,661,487	1,263,479	1,152,473	1,066,164	1,389,068	1,704,947	1,581,974
Rhode Island	157,415	152,643	147,677	135,631	124,542	120,664	103,527	119,231	147,280	133,964
South Carolina	422,065	385,906	349,241	311,863	236,567	216,731	188,663	217,950	275,320	234,334
South Dakota	266,728	256,127	225,275	209,640	168,541	133,659	130,747	143,612	152,624	143,712

U. S. CONSUMPTION OF MOTOR FUEL, BY STATES' AND BY YEARS, 1930-1949—Continued

(Thousands of Gallons)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940
Tennessee	638,421	575,090	526,425	496,755	382,752	333,938	318,113	360,816	385,816	326,967
Texas	2,782,301	2,664,775	2,326,510	2,264,143	1,956,500	4,104,157	2,624,739	1,741,021	1,673,237	1,419,858
Utah	186,875	178,086	166,236	150,066	120,349	104,562	102,130	113,287	116,893	107,194
Vermont	83,619	60,341	85,369	77,291	54,606	44,980	41,157	53,859	75,189	70,807
Virginia	748,437	676,401	612,150	561,416	462,069	433,323	385,339	437,215	497,356	417,603
Washington	630,796	619,014	578,151	527,593	418,895	377,524	403,095	443,897	441,440	379,004
West Virginia	353,152	338,934	288,646	260,900	189,350	159,548	152,303	195,900	240,188	221,005
Wisconsin	917,706	877,556	807,112	738,853	581,813	483,826	465,526	571,435	636,223	590,070
Wyoming	124,749	120,791	107,111	94,629	75,327	70,864	52,952	61,767	79,049	70,060
U. S. total	37,542,667	35,519,670	32,732,722	30,076,662	24,435,108	24,333,689	21,649,477	23,647,692	26,858,662	24,110,022
Bureau of Mines total ² ..	38,340,834	36,593,340	33,390,620	30,887,514	29,245,986	26,564,244	23,865,996	24,742,620	28,035,210	24,758,530
PRA total ³	(⁴)	34,706,959	32,035,886	29,201,465	22,303,755	19,523,552	18,871,422	22,692,497	26,720,118	24,404,334

U. S. CONSUMPTION OF MOTOR FUEL, BY STATES " AND BY YEARS, 1930-1949—Continued

(Thousands of Gallons)

State	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930
Alabama	246,507	230,277	225,865	204,623	172,446	155,047	133,885	136,435	162,672	172,537
Arizona	107,114	102,556	103,869	95,648	80,994	73,219	64,508	69,592	74,461	76,194
Arkansas	189,606	169,679	164,146	154,222	143,279	140,156	121,195	114,031	127,074	138,632
California	1,837,912	1,752,332	1,757,845	1,653,597	1,508,209	1,334,177	1,323,482	1,352,570	1,401,544	1,335,556
Colorado	237,669	226,965	221,028	204,746	182,367	172,756	159,917	158,898	176,494	170,855
Connecticut	345,105	326,262	326,907	299,405	269,871	254,933	248,126	245,184	248,927	234,997
Delaware	58,428	55,776	54,678	50,581	45,398	40,210	38,259	38,106	38,106	33,298
District of Columbia	149,971	139,291	136,984	127,204	116,274	104,852	103,734	102,695	93,493	80,538
Florida	365,830	338,693	328,915	310,502	298,696	236,775	205,568	208,913	231,988	228,960
Georgia	358,292	338,787	331,760	302,483	268,530	239,498	210,575	199,031	221,893	224,188
Idaho	109,273	94,700	94,607	87,847	72,635	65,770	52,314	52,332	59,753	61,570
Illinois	1,419,720	1,331,506	1,293,364	1,191,916	1,069,243	1,025,918	970,986	950,822	1,047,687	973,208
Indiana	670,870	631,342	633,819	561,428	496,835	465,438	439,009	438,036	481,471	456,101
Iowa	550,333	528,091	495,896	460,208	421,152	355,803	356,405	356,405	412,424	393,115
Kansas	476,833	468,810	470,172	450,331	408,707	378,781	349,928	350,554	485,483	386,755
Kentucky	274,901	256,517	251,844	228,333	201,325	184,367	166,292	164,058	176,203	168,278
Louisiana	261,240	247,370	238,535	216,401	189,502	178,457	163,139	166,014	187,955	184,781
Maine	150,137	144,866	145,443	134,521	121,109	116,993	107,583	110,732	116,199	109,001
Maryland	291,666	271,956	270,188	245,232	217,665	206,279	191,010	193,950	188,930	182,348
Massachusetts	721,115	690,185	696,484	657,753	610,797	587,789	561,164	568,773	577,197	544,245
Michigan	1,153,117	1,053,961	1,110,604	995,781	885,244	781,971	740,297	765,063	821,584	817,295
Minnesota	550,677	529,731	509,898	480,874	442,769	431,545	401,723	401,081	441,914	401,440
Mississippi	209,493	193,860	189,801	170,865	145,120	131,263	115,637	107,286	115,224	135,732
Missouri	654,770	608,554	590,496	567,801	511,835	489,401	465,876	458,672	492,572	461,739
Montana	126,521	117,604	115,920	109,422	96,326	85,484	69,844	67,860	75,645	77,476
Nebraska	235,489	225,442	224,263	230,362	231,662	223,372	194,698	198,914	228,200	228,898
Nevada	43,880	38,665	37,368	34,226	30,164	24,707	20,629	23,244	23,544	19,502
New Hampshire	92,578	85,156	85,295	80,898	73,904	70,640	65,871	65,746	68,305	64,743
New Jersey	829,424	829,424	820,572	745,482	695,772	734,521	698,779	698,779	711,128	644,658
New Mexico	101,946	96,362	88,316	75,849	62,340	56,154	48,342	46,760	52,222	54,661
New York	1,802,216	1,815,562	1,721,830	1,721,830	1,610,544	1,569,195	1,541,989	1,587,606	1,625,571	1,511,997
North Carolina	429,606	400,949	389,441	348,154	309,800	279,796	241,416	232,071	255,691	263,475
North Dakota	131,739	127,298	121,741	111,373	120,077	102,931	89,725	97,188	114,789	120,034
Ohio	1,371,266	1,278,825	1,308,748	1,167,887	1,044,529	935,470	886,640	903,091	984,809	975,582
Oklahoma	426,667	408,730	389,945	366,737	330,507	300,431	275,100	268,128	300,357	323,112
Oregon	244,677	229,684	226,833	215,778	186,022	165,978	158,904	158,169	174,550	170,701
Pennsylvania	1,482,428	1,403,571	1,417,478	1,283,280	1,177,719	1,136,344	1,048,363	1,041,061	1,062,602	928,842
Rhode Island	129,878	120,988	122,366	118,362	109,408	108,864	100,202	101,039	98,157	88,832
South Carolina	131,325	129,557	129,557	129,557	129,557	129,557	129,557	129,557	129,557	129,557
South Dakota	133,292	129,355	113,721	113,361	118,967	109,514	100,340	110,709	134,514	140,580

U. S. CONSUMPTION OF MOTOR FUEL, BY STATES' AND BY YEARS, 1930-1949—Continued

(Thousands of Gallons)

State	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930
Tennessee	288,737	280,860	266,921	266,320	224,355	212,037	185,164	180,722	214,369	215,244
Texas	1,340,893	1,270,370	1,220,261	1,096,243	959,549	875,034	774,413	751,084	826,107	806,505
Utah	99,746	92,950	91,110	80,940	71,065	64,140	54,705	54,207	61,175	60,547
Vermont	68,018	64,324	65,797	60,028	52,804	48,550	44,151	46,860	49,151	46,998
Virginia	382,097	355,170	342,799	316,556	282,413	259,123	233,439	229,480	244,151	228,453
Washington	349,454	338,405	334,482	319,473	278,672	260,778	236,690	246,326	272,608	264,852
West Virginia	204,917	190,396	196,236	176,334	159,090	147,609	129,082	129,321	143,981	140,411
Wisconsin	566,724	542,464	541,100	504,522	442,444	420,725	387,490	408,667	485,649	437,878
Wyoming	68,011	65,144	64,021	58,679	49,498	43,986	35,466	35,375	39,477	36,615
U. S. total.....	22,685,847	21,421,872	21,231,618	19,617,163	17,742,202	16,587,356	15,436,324	15,497,409	16,719,239	15,762,054
Bureau of Mines total ¹ ..	23,331,378	21,966,126	21,812,784	20,227,452	18,228,420	17,234,238	15,834,126	15,703,800	16,943,556	16,581,600
PRA total ²	22,907,170	21,630,732	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)

¹ Preliminary, subject to material revision.

² Compiled by Department of Statistics, American Petroleum Institute, from reports of various state government departments in an attempt to show the distribution of total motor-fuel demand by states. The total approaches, but does not equal, the U. S. domestic demand reported by the Bureau of Mines. See footnote 5.

³ Not available.

⁴ Iowa includes government use and shrinkage, 1945 only.

⁵ Total domestic demand for motor fuel reported by the Bureau of Mines, from refinery-production, stock, import, and export data. These figures should be used for total U. S. motor-fuel demand.

⁶ In 1938 the Public Roads Administration began issuing a detailed report of motor-fuel consumption by states and uses, based on state taxation and other reports, but built up by some estimates so as to approach, as nearly as possible, total motor-fuel consumption in the United States for all uses. Breakdown by states and uses from these reports is given in table "Analysis of motor-fuel use, by states." The large disparity between the PRA totals and those of the Bureau of Mines and American Petroleum Institute in recent years is due mainly to the varying amounts of aviation gasoline included.

Authority: American Petroleum Institute.

U. S. Motor-Fuel Consumption in 1949—2 Billion Gallons Above Year Earlier

U. S. MOTOR-FUEL CONSUMPTION,¹ BY STATES AND MONTHS, 1949¹

(Thousands of Gallons)

State	January	February	March	April	May	June	July	August	September	October	November	December	Total Year 1949
Alabama	39,082	36,863	43,785	43,061	43,441	42,315	41,614	45,634	44,061	44,154	44,830	45,184	514,034
Arizona	16,023	16,539	18,064	18,114	17,656	18,263	17,566	17,843	16,982	17,872	18,369	19,159	212,460
Arkansas	24,939	23,474	31,115	28,177	31,280	30,877	29,733	31,619	31,080	32,594	31,770	29,841	354,699
California	297,445	283,434	303,434	310,443	311,553	324,945	320,061	344,271	333,210	315,201	306,656	308,709	3,759,242
Colorado	23,925	24,819	31,782	33,039	35,836	40,336	45,863	46,749	39,995	35,147	33,282	30,487	421,230
Connecticut	32,355	31,182	35,743	38,207	39,942	42,580	43,217	44,188	41,908	40,304	39,622	40,069	469,317
Delaware	6,303	5,866	7,240	7,640	8,117	8,716	8,250	8,547	7,953	7,586	7,616	7,616	91,421
District of Columbia	13,725	12,877	15,057	15,396	15,482	15,242	15,997	15,709	15,325	15,471	15,831	16,786	182,898
Florida	65,832	67,245	78,894	65,607	62,404	60,595	60,399	62,184	58,465	61,675	63,393	73,353	782,046
Georgia	54,240	49,968	59,310	57,230	57,855	56,861	61,120	56,827	57,082	58,719	59,385	60,313	688,910
Idaho	9,349	8,417	12,934	16,089	16,116	18,334	19,017	20,751	18,300	16,875	14,824	12,637	183,643
Illinois	133,415	128,638	164,538	185,757	200,503	192,495	185,340	183,743	184,038	183,586	180,196	166,945	2,089,194
Indiana	74,637	69,739	87,221	98,228	105,134	102,511	98,257	102,086	96,485	97,033	93,295	85,039	1,109,665
Iowa	47,978	49,689	66,358	88,170	95,946	88,337	83,636	78,110	78,269	83,536	72,555	62,587	895,111
Kansas	37,108	38,822	52,439	57,010	61,013	78,651	78,535	68,634	64,283	55,742	56,541	54,573	703,351
Kentucky	38,027	34,945	41,436	43,732	47,791	45,759	45,421	46,608	46,293	47,094	43,481	44,685	525,272
Louisiana	34,827	33,966	38,570	42,556	40,252	41,454	42,655	44,867	42,133	42,679	41,385	46,936	492,310
Maine	13,257	13,039	14,220	15,639	18,778	20,337	23,436	24,557	20,563	19,298	17,036	16,109	216,299
Maryland	33,550	31,121	38,245	40,308	41,506	43,169	43,039	44,882	42,618	41,726	41,012	41,466	482,642
Massachusetts	61,862	60,297	70,710	74,767	78,414	84,019	85,712	89,048	82,103	79,580	76,560	78,293	921,365
Michigan	125,024	110,267	133,653	147,695	153,146	161,170	166,172	175,222	157,042	153,790	144,772	143,210	1,771,163
Minnesota	49,572	47,470	59,564	72,467	84,852	83,882	86,032	92,487	83,251	80,310	68,922	58,811	867,640
Mississippi	27,181	24,784	36,965	36,518	35,607	33,745	34,045	35,199	35,720	39,606	36,984	31,808	398,172
Missouri	64,840	67,508	84,651	90,646	95,462	95,800	94,492	98,358	93,196	95,001	93,287	89,098	1,062,339
Montana	10,244	9,579	14,098	22,620	19,666	25,591	22,096	26,717	19,155	15,976	15,492	12,742	213,976
Nebraska	20,302	24,891	28,197	37,092	41,197	39,687	46,514	40,429	37,903	37,388	36,527	31,155	421,282
Nevada	3,658	3,595	4,408	5,178	5,712	7,407	6,863	7,430	6,664	6,006	5,148	4,957	62,826
New Hampshire	7,773	7,772	8,642	8,743	10,282	11,703	13,506	14,508	11,775	10,924	9,950	9,458	120,104
New Jersey	84,351	82,046	93,643	96,949	100,005	109,469	110,365	113,275	106,876	100,924	98,203	92,078	1,200,701
New Mexico	12,209	15,542	16,369	16,434	16,223	17,413	19,410	20,097	17,526	17,468	17,212	17,150	205,053
New York	165,953	154,953	185,893	198,111	212,533	227,123	236,679	242,466	223,865	213,065	203,697	201,915	2,465,839
North Carolina	64,593	56,339	70,504	70,152	71,913	70,003	69,721	72,005	69,788	74,574	69,949	72,864	832,499
North Dakota	8,354	8,138	12,684	29,948	31,683	27,248	29,160	37,521	28,341	20,358	17,843	14,983	262,093
Ohio	147,372	136,180	161,737	185,866	186,826	185,732	167,759	184,189	180,356	166,651	168,243	170,036	2,064,927
Oklahoma	37,736	39,639	52,457	57,910	64,531	60,173	62,379	60,771	57,937	53,702	53,236	52,689	646,360
Oregon	26,968	26,968	36,495	41,433	41,747	47,834	46,020	49,202	45,447	41,864	38,416	36,855	446,221
Pennsylvania	144,874	139,465	164,002	173,061	198,048	168,816	181,328	194,012	183,559	177,411	172,272	173,199	2,070,046
Rhode Island	10,913	10,913	12,647	13,987	13,252	13,569	14,465	14,769	13,560	13,069	13,187	13,848	157,415
South Carolina	32,358	30,372	36,110	34,770	35,090	35,739	35,776	37,678	35,446	36,193	36,326	36,177	422,065
South Dakota	13,020	13,508	16,245	23,452	28,254	26,950	28,630	29,771	25,151	22,440	20,995	19,032	266,728

U. S. MOTOR-FUEL CONSUMPTION,² BY STATES AND MONTHS, 1949¹—Continued

(Thousands of Gallons)

State	January	February	March	April	May	June	July	August	September	October	November	December	Total Year 1949
Tennessee	43,210	48,336	45,981	54,078	56,924	56,013	52,364	53,320	51,479	59,377	61,265	56,074	638,421
Texas	194,145	190,281	226,095	212,999	252,789	248,496	254,361	243,008	233,061	226,464	237,217	233,385	2,752,301
Utah	12,546	10,986	13,437	14,734	16,181	17,369	18,323	18,851	18,061	16,513	16,077	13,597	186,675
Vermont	5,730	5,704	6,277	6,983	8,020	9,686	9,210	10,322	9,022	8,331	7,315	7,019	93,619
Virginia	53,051	50,561	60,426	61,354	58,020	68,511	66,231	69,432	68,298	64,262	63,469	64,822	748,437
Washington	39,464	37,412	50,121	51,325	53,667	58,489	61,488	63,411	58,726	55,394	51,375	50,924	630,796
West Virginia	27,466	24,193	28,651	30,558	31,220	30,832	29,602	32,649	31,615	27,522	28,970	29,661	353,159
Wisconsin	56,822	52,661	66,454	75,208	85,043	87,916	88,977	95,930	86,956	82,189	75,237	65,313	917,706
Wyoming	6,705	7,317	8,349	9,437	10,055	13,439	14,969	15,765	11,513	9,985	5,171	8,034	124,749
U. S. total.....	2,552,963	2,458,478	2,943,940	3,137,979	3,348,792	3,395,621	3,435,940	3,525,677	3,319,715	3,232,545	3,130,366	3,060,651	37,542,667

¹ Preliminary.

² Compiled by Department of Statistics, American Petroleum Institute, from reports of various state government departments in an attempt to show the distribution of total motor-fuel demand by states and months. The total approaches, but does not equal, U. S. domestic demand reported by the Bureau of Mines.

Authority: American Petroleum Institute.

U. S. MOTOR-FUEL CONSUMPTION, BY STATES AND MONTHS, 1948²

(Thousands of Gallons)

State	January	February	March	April	May	June	July	August	September	October	November	December	Total Year 1948
Alabama	33,739	33,005	39,528	40,110	41,055	39,456	41,810	41,555	40,662	41,740	39,432	42,271	476,361
Arizona	16,648	16,077	17,188	16,855	17,266	17,307	17,305	17,109	16,540	16,464	18,130	16,761	207,289
Arkansas	23,129	19,258	24,889	26,485	27,479	28,022	29,630	29,213	30,442	30,380	32,603	30,121	327,831
California	279,064	258,756	293,355	291,996	331,990	303,758	321,480	321,097	293,047	295,097	309,301	349,825	3,643,263
Colorado	23,525	23,027	28,061	33,838	33,834	38,493	44,742	43,154	36,845	33,035	28,853	28,081	395,488
Connecticut	30,814	28,747	33,373	35,449	37,853	39,561	42,535	41,673	39,682	38,214	36,900	37,513	442,174
Delaware	5,727	5,075	6,616	7,148	7,693	7,631	8,246	7,631	7,476	7,022	6,757	6,787	83,494
District of Columbia	12,996	11,595	13,631	14,502	14,469	14,588	14,890	14,134	13,943	14,436	14,010	14,909	167,873
Florida	64,358	62,505	68,211	63,257	59,521	59,308	56,237	54,495	55,881	55,967	60,875	60,989	728,704
Georgia	49,018	45,182	52,642	54,560	54,585	53,625	55,229	55,598	53,339	55,371	53,805	55,208	638,172
Idaho	9,910	9,681	12,642	14,553	15,410	16,693	17,764	18,368	18,758	15,795	13,400	10,942	174,896
Illinois	133,033	124,651	149,810	176,579	182,235	180,719	180,030	173,516	171,812	177,352	162,115	159,052	1,970,904
Indiana	71,336	69,280	81,846	89,608	97,591	100,256	95,125	94,038	90,968	91,452	86,896	84,059	1,052,495
Iowa	52,217	50,537	64,014	87,633	80,974	80,974	79,910	75,199	72,880	77,571	68,497	56,397	850,020
Kansas	43,141	38,726	45,582	57,428	58,192	69,979	76,880	70,413	65,775	55,036	49,459	41,708	679,919
Kentucky	35,607	31,627	47,622	33,465	43,538	43,973	43,158	44,239	42,389	42,480	41,174	41,793	491,065
Louisiana	31,313	28,375	36,786	36,848	39,193	36,958	34,864	39,278	39,543	39,951	37,455	39,366	439,930
Maine	13,357	12,501	14,318	15,200	17,400	19,490	23,199	23,033	20,120	18,527	16,733	16,030	209,908
Maryland	30,913	27,844	35,413	37,659	41,065	39,118	41,510	39,556	39,112	38,334	36,768	37,739	444,031
Massachusetts	59,203	55,776	65,253	70,096	72,265	77,978	84,696	81,794	77,433	74,691	72,006	74,816	866,007
Michigan	127,936	119,738	129,439	143,773	146,182	154,563	162,796	160,087	151,988	144,941	140,207	141,781	1,723,431
Minnesota	50,380	48,510	58,321	66,761	77,902	79,131	83,490	83,785	77,361	77,453	64,796	64,854	823,346
Mississippi	25,373	20,804	28,917	31,200	33,470	29,984	33,534	33,449	32,066	31,288	29,602	31,234	360,951
Missouri	72,323	64,434	73,517	83,627	87,095	90,789	88,565	88,515	86,567	87,183	91,305	80,359	984,279
Montana	10,498	9,446	12,805	18,289	20,199	22,265	23,648	25,527	20,886	16,251	14,366	12,449	240,137
Nebraska	26,776	24,919	28,109	36,135	35,943	37,032	43,708	39,998	37,372	33,977	30,455	27,197	401,621
Nevada	3,959	3,987	4,456	4,859	5,537	6,614	7,085	7,316	6,519	5,472	5,063	4,566	55,445
New Hampshire	8,153	7,461	8,325	8,820	9,264	10,684	13,279	13,246	11,598	10,156	9,290	9,450	120,207
New Jersey	75,952	69,249	84,752	88,626	92,564	97,804	109,175	106,479	100,004	94,103	91,654	97,878	1,108,524
New Mexico	13,674	13,340	14,827	15,809	16,579	17,867	18,557	19,665	17,381	16,017	16,605	16,542	195,861
New York	151,807	141,988	169,349	183,643	197,065	206,749	227,494	221,478	209,309	198,747	188,496	186,939	2,283,064
North Carolina	59,550	61,298	65,183	65,183	65,091	65,891	67,777	64,262	68,981	65,295	67,165	64,763	762,786
North Dakota	21,479	21,589	21,259	21,259	26,817	28,092	28,092	33,353	30,381	22,012	15,883	12,997	250,519
Ohio	136,693	133,610	152,913	162,054	172,115	178,531	182,962	172,914	168,542	166,404	163,319	162,366	1,952,423
Oklahoma	36,412	40,925	45,387	50,374	51,953	62,999	62,540	58,141	55,128	51,873	48,907	50,105	614,744
Oregon	29,876	30,044	34,102	36,684	39,504	44,338	47,540	49,313	48,415	39,214	37,977	35,821	472,828
Pennsylvania	137,433	127,295	152,457	163,595	171,190	176,860	185,293	181,226	174,524	171,865	164,633	164,947	1,971,338
Rhode Island	11,740	10,248	11,595	11,868	13,552	13,441	14,590	14,354	13,933	12,895	12,344	13,115	152,643
South Carolina	29,082	26,013	31,628	33,377	32,147	32,587	34,370	33,958	33,168	33,412	32,945	33,221	385,906
South Dakota	13,716	14,428	16,681	21,405	24,958	23,296	26,360	29,026	26,300	22,109	19,741	17,107	255,127

U. S. MOTOR-FUEL CONSUMPTION, BY STATES AND MONTHS, 1948²—Continued

(Thousands of Gallons)

State	January	February	March	April	May	June	July	August	September	October	November	December	Total Year 1948
Tennessee	36,113	32,621	44,677	49,142	53,854	47,765	54,935	51,024	47,607	55,748	50,619	48,985	575,090
Texas	183,397	163,041	244,993	236,853	229,650	232,181	251,304	243,416	217,139	221,399	212,741	226,674	2,664,775
Utah	12,115	10,784	12,831	14,612	15,094	17,158	17,387	18,097	17,099	15,727	15,186	11,896	176,066
Vermont	5,878	5,252	5,965	6,637	7,476	8,281	10,004	10,058	8,646	8,162	7,183	6,794	90,341
Virginia	46,660	42,338	52,869	56,907	57,731	61,373	63,801	59,719	61,273	58,757	57,416	57,557	676,401
Washington	40,174	39,989	49,214	50,949	50,469	56,563	60,069	61,947	61,626	50,676	49,533	47,805	619,014
West Virginia	24,431	20,120	25,490	28,129	30,339	30,816	30,121	32,688	33,929	27,431	30,347	25,083	338,934
Wisconsin	55,227	56,844	64,039	73,914	78,001	84,029	88,568	85,239	81,030	77,017	69,942	63,906	877,556
Wyoming	6,979	6,369	7,931	8,752	10,040	11,591	14,350	14,320	11,708	10,595	8,784	9,572	120,791
U. S. total.....	2,458,732	2,293,691	2,768,250	2,976,603	3,121,852	3,221,945	3,341,152	3,298,192	3,138,014	3,044,911	2,917,689	2,938,639	35,519,670

² Compiled by Department of Statistics, American Petroleum Institute, from reports of various state government departments in an attempt to show the distribution of total motor-fuel demand by states and months. The total approaches, but does not equal, U. S. domestic demand reported by the Bureau of Mines.

Authority. American Petroleum Institute.

Highway Use Accounts for 88 Per Cent of U. S. Motor-Fuel Consumption

ANALYSIS OF U. S. MOTOR-FUEL USE, BY STATES, 1949

(Thousands of Gallons)

State	Highway Use	Per Cent Highway Use of Total Consumption	Non-highway Use	Losses from Evaporation and Handling	Total Consumption
Alabama	467,278	90.7	44,542	3,316	515,136
Arizona	196,940	88.8	22,803	2,144	221,887
Arkansas	323,343	91.1	27,254	4,315	354,912
California	2,973,641	91.5	260,495	16,173	3,250,309
Colorado	333,450	79.9	77,665	6,290	417,405
Connecticut	450,909	94.5	21,454	4,621	476,984
Delaware	82,340	90.4	7,523	1,209	91,072
District of Columbia	182,326	98.8	2,033	162	184,521
Florida	634,597	83.5	113,278	12,116	759,991
Georgia	629,271	90.8	62,081	1,356	692,708
Idaho	163,081	86.0	24,582	1,896	189,559
Illinois	1,821,820	84.1	312,722	32,464	2,167,006
Indiana	971,342	87.1	127,576	16,371	1,115,289
Iowa	660,801	72.8	232,801	13,624	907,226
Kansas	475,387	67.1	222,978	10,495	708,860
Kentucky	496,206	94.2	23,869	6,541	526,716
Louisiana	448,328	92.9	27,296	7,139	482,763
Maine	203,409	93.3	12,491	2,185	218,085
Maryland	442,718	92.0	33,414	4,873	481,005
Massachusetts	862,700	94.4	41,933	9,307	913,940
Michigan	1,528,692	86.1	222,791	24,927	1,776,410
Minnesota	695,990	80.0	160,638	12,977	869,605
Mississippi	370,621	92.6	23,543	5,936	400,100
Missouri	956,438	89.4	97,781	15,900	1,070,119
Montana	163,536	74.9	51,338	3,469	218,343
Nebraska	357,517	85.5	54,139	6,383	418,039
Nevada	64,129	89.4	6,953	647	71,729
New Hampshire	119,634	96.6	3,063	1,088	123,785
New Jersey	1,091,351	93.7	62,025	11,757	1,165,133
New Mexico	183,890	88.0	21,924	3,105	208,919
New York	2,311,670	92.3	169,012	23,378	2,504,060
North Carolina	765,967	91.4	63,849	8,444	838,260
North Dakota	135,394	51.2	124,672	4,488	264,554
Ohio	1,876,323	91.3	148,517	30,555	2,055,395
Oklahoma	503,228	78.8	130,021	5,072	638,321
Oregon	433,525	88.4	51,925	4,747	490,197
Pennsylvania	1,964,306	94.9	89,782	15,643	2,069,731
Rhode Island	150,333	97.1	2,876	1,554	154,793
South Carolina	381,763	91.8	31,703	2,415	415,881
South Dakota	171,978	63.9	94,507	2,656	269,141
Tennessee	578,143	93.1	36,703	6,095	620,941
Texas	2,065,031	83.8	383,210	14,898	2,463,139
Utah	174,456	91.2	14,171	2,761	191,388
Vermont	89,336	94.7	4,096	946	94,378
Virginia	676,417	92.3	49,315	7,483	733,215
Washington	581,163	90.7	56,901	3,030	641,094
West Virginia	337,851	96.5	8,799	3,418	350,068
Wisconsin	769,006	83.9	133,615	13,558	916,179
Wyoming	113,441	89.3	12,262	1,260	126,963
U. S. total	32,431,016	88.0	4,009,021	395,217	36,835,254
Bureau of Mines total . . . . .	.....	.....	.....	.....	38,340,834
API total . . . . .	.....	.....	.....	.....	37,542,667

Authority: Bureau of Public Roads.

California Leads Nation in Motor-Fuel Consumption

ANALYSIS OF MOTOR-FUEL USE, BY STATES, 1948

(Thousands of Gallons)

State	Highway Use	Per Cent Highway Use of Total Use	Non-highway Use	Losses from Evaporation and Handling	Total Use
Alabama	438,112	91.7	36,631	2,883	477,626
Arizona	196,274	89.5	21,020	2,061	219,355
Arkansas	299,218	91.5	24,731	3,230	327,179
California	2,852,507	90.4	287,888	15,764	3,156,159
Colorado	309,611	79.3	75,105	5,929	390,645
Connecticut	425,423	94.8	18,839	4,361	448,623
Delaware	74,812	89.8	7,112	1,354	83,278
District of Columbia	166,869	98.4	2,353	320	169,542
Florida	590,208	85.5	89,745	10,732	690,685
Georgia	579,048	91.6	50,760	2,278	632,086
Idaho	154,023	85.8	24,142	1,437	179,602
Illinois	1,761,420	86.2	252,035	30,626	2,044,081
Indiana	912,431	86.4	128,740	15,488	1,056,659
Iowa	627,731	72.9	220,343	12,944	861,018
Kansas	455,310	66.7	217,178	10,078	682,566
Kentucky	465,125	94.9	18,895	6,135	490,155
Louisiana	409,767	93.6	21,552	6,423	437,742
Maine	195,118	92.6	13,400	2,120	210,638
Maryland	402,834	91.5	32,679	4,528	440,041
Massachusetts	808,570	94.0	43,091	8,748	860,409
Michigan	1,460,942	84.5	243,898	23,818	1,728,658
Minnesota	648,497	78.1	169,706	12,307	830,510
Mississippi	338,559	93.5	18,136	5,389	362,084
Missouri	887,085	89.5	89,411	14,690	991,186
Montana	152,369	73.2	52,765	3,034	208,168
Nebraska	341,551	85.5	51,893	6,101	399,545
Nevada	62,705	89.7	6,567	635	69,907
New Hampshire	114,311	96.0	3,508	1,220	119,039
New Jersey	1,011,760	94.0	59,245	11,275	1,082,280
New Mexico	171,854	86.9	22,948	2,933	197,735
New York	2,138,206	92.4	153,075	23,296	2,314,577
North Carolina	709,651	92.4	50,858	7,367	767,876
North Dakota	127,842	50.6	120,157	4,639	252,638
Ohio	1,777,441	91.5	137,139	28,899	1,943,479
Oklahoma	469,100	77.6	130,768	4,728	604,596
Oregon	419,003	87.5	54,998	4,634	478,635
Pennsylvania	1,835,983	92.8	127,076	14,897	1,977,956
Rhode Island	144,025	97.0	2,861	1,527	148,413
South Carolina	350,275	92.4	26,179	2,467	378,921
South Dakota	165,983	64.5	88,847	2,567	257,397
Tennessee	541,349	92.8	36,666	5,655	583,670
Texas	1,868,288	82.8	370,408	17,897	2,256,593
Utah	163,926	90.3	15,033	2,632	181,591
Vermont	85,761	94.1	4,429	913	91,103
Virginia	620,279	92.8	41,501	6,832	668,612
Washington	562,099	90.8	54,205	2,907	619,211
West Virginia	323,957	96.6	8,343	2,994	335,294
Wisconsin	744,523	85.0	118,793	12,900	876,216
Wyoming	98,906	80.4	22,854	1,220	122,980
U. S. total	30,460,641	87.8	3,868,506	377,812	34,706,959
Bureau of Mines .....	.....	...	.....	.....	36,593,340
API total .....	.....	...	.....	.....	35,519,670

Authority: Bureau of Public Roads.

U. S. Motor-Fuel Demand Averages 2½ Million Barrels Daily in 1949

U. S. MOTOR-FUEL DEMAND AND EXPORTS, BY YEARS, 1918-1949

(Thousands of Barrels of 42 U. S. Gallons)

Year	Total U. S. Demand and Exports		U. S. Demand		Exports	
	Annual Total	Daily Average	Annual Total	Daily Average	Annual Total	Daily Average
1949 ¹	952,356	2,609	912,877	2,501	39,479	108
1948.....	908,572	2,482	871,270	2,381	37,302	102
1947.....	842,464	2,308	795,015	2,178	47,449	130
1946.....	780,751	2,139	735,417	2,015	45,334	124
1945.....	784,392	2,149	696,333	1,908	88,059	241
1944.....	733,019	2,003	632,482	1,728	100,537	275
1943.....	619,815	1,698	568,238	1,557	51,577	141
1942.....	624,207	1,710	589,110	1,614	35,097	96
1941.....	694,588	1,903	667,505	1,829	27,083	74
1940.....	614,867	1,680	589,490	1,611	25,377	69
1939.....	600,147	1,644	555,509	1,522	44,638	122
1938.....	573,112	1,570	523,003	1,433	50,109	137
1937.....	557,658	1,528	519,352	1,423	38,306	105
1936.....	510,252	1,394	481,606	1,316	28,646	78
1935.....	465,423	1,275	434,810	1,191	30,613	84
1934.....	435,025	1,192	410,339	1,124	24,686	68
1933.....	409,815	1,123	380,494	1,043	29,321	80
1932.....	413,229	1,129	377,791	1,032	35,438	97
1931.....	453,559	1,243	407,843	1,117	45,716	125
1930.....	463,184	1,269	397,609	1,089	65,575	180
1929.....	444,937	1,219	382,878	1,049	62,059	170
1928.....	392,293	1,072	338,881	926	53,412	146
1927.....	350,318	960	305,367	837	44,951	123
1926.....	311,897	855	268,128	735	43,769	120
1925.....	264,429	725	232,745	638	31,684	87
1924.....	225,737	617	196,586	537	29,151	80
1923.....	195,556	536	174,462	478	21,094	58
1922.....	152,132	417	137,770	378	14,362	39
1921.....	130,203	357	116,840	320	13,363	37
1920.....	124,623	341	108,945	298	15,678	43
1919.....	97,790	268	88,648	243	9,142	25
1918.....	93,599	256	79,949	219	13,650	37

¹ Preliminary.

Authority: Bureau of Mines.

Automatic-Power Oil Burners Consume Quarter Million Barrels of Heating Oils Annually

U. S. SALES OF HEATING OILS' (ALL GRADES), BY STATES, 1932-1949

State	(Thousands of Barrels)																	
	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932
Alabama	540	498	358	287	202	186	148	99	92	77	86	88	55	47	42	23	22	2
Arizona	541	700	639	609	524	528	476	415	272	215	173	93	115	49	60	25	9	42
Arkansas	373	85	144	131	119	116	68	133	195	184	189	173	199	194	149	113	108	105
California	10,074	11,765	12,570	13,158	10,690	10,728	8,309	7,075	5,713	4,306	3,739	3,478	4,431	3,589	3,566	2,439	2,725	2,532
Colorado	757	720	571	484	353	296	262	209	230	213	207	200	199	174	141	127	117	110
Connecticut	11,831	12,411	8,921	6,744	6,028	5,406	5,493	6,187	6,516	6,475	5,404	4,772	4,775	4,049	3,029	2,309	1,600	1,400
Delaware	1,102	815	756	565	484	457	476	545	368	361	332	321	357	277	218	174	150	130
Dist. of Col.	2,529	2,810	2,884	2,497	2,206	1,997	2,110	2,500	2,437	2,234	1,760	1,573	1,506	1,331	1,051	782	725	700
Florida	1,508	1,561	1,459	1,282	951	828	920	1,090	1,155	1,206	1,052	945	954	803	635	612	400	300
Georgia	1,121	885	602	543	395	321	324	416	444	414	355	299	240	192	146	134	100	80
Idaho	1,052	1,012	516	376	248	160	150	148	99	60	25	37	31	17	12	2	1	1
Illinois	15,487	17,575	18,014	16,333	17,237	16,698	17,150	19,332	18,760	18,016	15,470	13,583	13,329	11,505	8,324	7,348	6,200	5,800
Indiana	4,152	4,345	3,396	2,476	2,034	1,925	1,939	2,244	2,338	2,141	1,900	1,653	1,655	1,487	1,103	971	650	500
Iowa	4,268	3,587	2,706	2,477	2,051	1,970	2,185	2,488	2,303	2,117	1,823	1,622	1,487	1,207	856	651	630	615
Kansas	1,393	1,110	729	703	677	548	487	462	455	492	416	407	409	385	294	171	165	162
Kentucky	623	687	458	423	354	362	360	278	257	282	229	233	265	224	193	161	145	135
Louisiana	808	383	339	331	295	286	317	456	357	374	356	338	465	404	354	301	300	295
Maine	2,251	1,977	1,908	1,261	1,018	964	1,052	1,224	1,417	1,366	1,116	999	960	831	677	532	380	225
Maryland	6,958	7,734	4,492	3,848	3,260	3,213	3,583	3,563	3,333	3,011	2,285	1,928	1,873	1,553	1,251	958	700	600
Massachusetts	23,026	25,137	23,502	15,014	12,992	11,496	12,075	13,971	16,518	15,766	13,251	11,416	11,032	9,429	7,760	5,735	4,500	4,000
Michigan	10,509	9,657	9,203	7,226	6,030	5,770	5,751	6,485	5,855	5,611	4,907	3,971	3,820	3,223	2,384	1,769	1,400	1,150
Minnesota	8,050	7,509	7,094	5,534	4,524	4,268	5,004	5,782	5,661	5,484	4,620	4,105	4,186	3,439	2,497	2,002	1,900	1,890
Mississippi	117	83	55	49	42	40	39	42	46	50	55	57	68	60	52	31	30	30
Missouri	4,975	6,771	6,319	5,604	5,267	4,773	5,386	6,070	6,528	6,435	5,763	5,255	5,222	4,527	3,509	2,777	2,650	2,550
Montana	672	554	586	493	365	206	186	110	145	149	134	96	101	90	71	60	45	33
Nebraska	2,172	2,322	2,120	1,815	1,688	1,578	1,592	1,708	1,881	1,797	1,543	1,329	1,315	1,151	789	556	536	520
Nevada	645	742	656	544	590	629	674	580	344	275	219	135	113	21	14	16	20	315
New Hampshire	1,720	1,227	1,376	1,051	955	862	1,023	1,334	1,430	1,403	1,195	1,009	1,030	933	795	577	400	375
New Jersey	26,857	23,539	18,425	16,392	14,264	14,375	16,110	14,712	14,456	12,952	10,221	9,994	8,710	6,192	4,914	4,000	3,500	3,000
New Mexico	100	128	126	110	64	37	63	65	51	61	57	59	53	43	34	27	24	18
New York	46,753	46,826	42,289	37,668	33,256	31,203	32,686	35,507	36,049	35,293	29,814	24,755	24,011	20,665	16,213	12,136	9,000	8,000
North Carolina	1,709	1,591	1,271	1,093	769	522	464	528	436	461	374	313	298	248	184	173	160	50
North Dakota	966	565	504	400	299	276	301	340	332	325	299	272	280	243	227	170	150	157
Ohio	4,678	4,923	3,283	1,900	1,680	1,417	1,468	1,607	1,388	1,238	1,083	1,017	1,087	994	752	656	575	500
Oklahoma	370	147	89	76	69	64	73	118	179	262	263	342	373	321	265	251	200	160
Oregon	5,484	6,060	5,421	5,032	3,877	3,559	2,848	2,555	2,266	2,102	1,973	1,798	1,529	1,101	757	616	773	404
Pennsylvania	15,265	18,012	17,018	10,788	9,547	8,930	9,589	10,351	10,222	9,895	8,417	7,568	7,300	6,420	5,354	4,533	3,400	2,900
Rhode Island	4,657	4,517	4,227	3,420	3,041	2,794	2,876	3,407	3,407	3,326	2,761	2,379	2,194	1,879	1,437	1,357	1,100	950
South Carolina	648	585	533	356	237	188	179	208	180	172	145	135	164	114	92	71	40	20
South Dakota	985	830	736	617	417	377	422	476	456	461	439	419	380	316	283	182	161	150

U. S. SALES OF HEATING OILS¹ (ALL GRADES), BY STATES, 1932-1949—Continued

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932
Tennessee	618	539	473	356	256	224	192	74	104	105	98	106	114	109	95	82	60	41
Texas	2,313	1,292	1,242	1,103	835	250	336	434	518	626	596	615	890	696	595	513	508	50
Utah	570	583	478	316	178	134	150	120	52	54	39	38	35	29	25	14	13	1
Vermont	885	731	717	646	565	512	529	658	705	650	536	419	450	385	332	283	230	20
Virginia	2,470	2,797	2,662	1,571	1,270	1,219	1,382	1,563	1,477	1,364	1,187	913	886	805	549	423	325	241
Washington	10,514	10,751	9,529	8,042	6,144	5,584	5,176	4,838	4,363	3,723	3,236	2,929	2,691	1,773	1,189	1,251	1,444	881
West Virginia	300	106	78	105	96	78	82	55	62	63	58	50	62	51	33	22	13	1
Wisconsin	5,737	5,908	5,800	4,687	3,874	3,805	4,497	5,074	5,291	5,151	4,344	3,749	3,607	3,117	2,227	1,776	1,430	1,301
Wyoming	263	253	194	158	113	108	94	93	78	77	57	61	57	47	36	16	15	1
U. S. total.....	250,801	258,663	234,761	189,371	165,216	152,203	155,251	168,989	167,514	160,379	136,232	118,323	116,617	99,257	76,853	60,822	50,140	44,28

¹ Preliminary.

² As nearly as possible, this is the total amount of fuel oil used for space heating in automatic-power oil burners. Beginning with 1941, the Bureau of Mines has published these figures by grades No. 1 through 6.

Authority: Bureau of Mines.

1949 No. 1 Fuel-Oil Sales 130 Per Cent Over 1945

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,² 1941-1949

(Thousands of Barrels)

DISTILLATE FUEL OIL, GRADE NO. 1

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	145	105	79	86	65	46	25	15	24
Arizona	308	409	350	349	318	255	231	247	143
Arkansas	46	6	3	2	1	....	....	12	61
California	3,464	4,067	3,998	4,023	3,301	3,314	2,306	1,946	1,498
Colorado	232	298	183	143	65	60	70	54	58
Connecticut	807	731	594	194	165	80	50	67	93
Delaware	133	36	35	30	25	20	22	....	31
Dist. of Col.....	93	67	65	41	28	31	38	27	63
Florida	181	151	170	162	107	81	101	157	148
Georgia	207	158	157	31	27	16	11	42	43
Idaho	660	618	265	225	156	69	60	77	35
Illinois	1,661	1,401	1,348	1,257	1,078	1,152	1,260	1,965	2,157
Indiana	928	603	499	402	310	297	196	237	193
Iowa	1,099	722	512	461	300	368	421	556	409
Kansas	392	306	266	236	193	153	155	125	119
Kentucky	93	132	80	70	45	44	37	30	35
Louisiana	93	65	55	50	52	53	72	99	31
Maine	231	67	65	42	36	34	37	52	75
Maryland	474	87	86	56	40	30	39	30	38
Massachusetts ..	1,201	1,543	1,245	465	311	222	245	251	361
Michigan	2,738	2,124	1,981	1,307	1,089	1,138	1,360	1,489	1,062
Minnesota	1,720	1,214	1,186	910	747	775	931	936	810
Mississippi	41	32	15	14	....	....	4	....	....
Missouri	740	655	535	529	428	377	427	599	890
Montana	290	218	252	244	194	28	28	13	38
Nebraska	902	628	550	410	250	240	204	185	352
Nevada	230	314	293	285	298	291	177	138	102
New Hampshire...	154	46	45	29	23	6	6	13	21
New Jersey	1,497	1,091	943	519	444	151	85	72	106
New Mexico	35	34	32	32	22	....	12	12	5
New York	2,271	1,685	1,468	985	846	796	838	854	904
North Carolina..	282	204	159	103	45	46	43	66	76
North Dakota ..	290	161	151	121	74	56	55	68	38
Ohio	1,887	1,542	1,250	733	560	393	374	349	247
Oklahoma	54	23	22	21	16	16	22	45	40
Oregon	2,150	2,371	1,901	1,451	969	943	721	517	601
Pennsylvania ..	1,017	479	350	137	124	110	142	251	216
Rhode Island ..	106	61	55	52	39	39	49	41	15
South Carolina..	53	31	40	37	26	25	24	23	18
South Dakota ..	324	289	257	218	133	115	144	147	104
Tennessee	82	42	24	20	16	17	14	13	13
Texas	281	6	25	17	5	22	27	45	43
Utah	201	187	149	97	51	34	19	28	7
Vermont	77	5	3	1	1	....	6	1	2
Virginia	442	291	295	175	58	69	66	61	62
Washington	4,622	4,658	3,923	2,985	2,052	1,845	1,615	1,244	1,011
West Virginia ..	25	8	10	15	....	....	12	2	4
Wisconsin	928	611	536	447	379	385	419	505	614
Wyoming	49	48	57	56	42	38	39	60	39
U. S. total....	35,936	30,630	26,562	20,275	15,554	14,280	13,239	13,766	13,055

¹ Preliminary.

² As nearly as possible, this is the total amount of fuel oil used for space heating in automatic-power oil burners. Beginning with 1941, the Bureau of Mines has published these figures by grades No. 1 through No. 6.

Authority: Bureau of Mines.

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,² 1941-1949—Continued

(Thousands of Barrels)

DISTILLATE FUEL OIL, GRADE NO. 2

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	334	269	159	62	34	33	38	20	16
Arizona .....	....	....	....	....	....	....	....	....	....
Arkansas	64	66	66	64	50	42	44	84	83
California .....	....	....	....	....	....	....	....	....	....
Colorado	325	236	210	183	147	144	147	123	148
Connecticut	6,631	7,053	5,571	4,348	3,878	3,723	3,815	4,027	4,427
Delaware	751	618	536	345	256	235	221	225	238
Dist. of Col. .	1,690	2,168	2,151	1,729	1,521	1,382	1,496	1,770	1,659
Florida	737	830	707	525	390	321	296	319	344
Georgia	420	588	270	265	179	150	145	160	208
Idaho ..	225	288	159	59	51	42	41	5	11
Illinois	5,654	5,104	4,762	5,849	4,728	4,573	4,430	4,601	4,432
Indiana	2,159	2,227	1,549	882	648	614	587	675	651
Iowa	2,664	2,405	1,685	1,487	1,252	1,081	1,086	1,173	993
Kansas	432	449	196	173	188	169	182	170	105
Kentucky	288	338	187	147	90	88	91	93	83
Louisiana	182	161	154	152	126	118	133	160	102
Maine	1,750	1,729	1,650	1,036	819	789	819	940	1,054
Maryland	5,562	6,399	5,417	3,381	2,866	2,313	2,260	2,352	2,017
Massachusetts .	14,535	15,256	14,698	9,701	8,493	7,688	7,881	8,902	10,968
Michigan	4,701	3,733	2,976	2,208	1,720	1,594	1,657	1,822	1,722
Minnesota	4,640	4,015	3,985	3,160	2,426	2,231	2,591	2,956	2,904
Mississippi	67	45	35	9	23	22	19	24	25
Missouri	1,787	1,855	1,767	1,592	1,410	1,280	1,310	1,484	1,550
Montana	244	184	150	115	88	51	38	39	36
Nebraska	664	631	449	407	352	340	292	295	399
Nevada .....	....	....	....	....	....	....	....	....	....
New Hampshire..	1,344	1,069	1,047	773	702	621	741	964	1,163
New Jersey	16,057	16,352	14,458	12,338	10,771	9,229	9,527	10,279	9,717
New Mexico	58	79	80	66	42	17	22	26	21
New York	29,982	29,251	26,458	24,066	21,027	19,634	20,401	21,424	21,524
North Carolina..	925	869	593	491	363	165	129	120	108
North Dakota ..	600	295	257	197	168	173	193	217	230
Ohio	1,191	744	322	223	202	188	208	266	358
Oklahoma	129	90	38	25	42	32	39	51	57
Oregon .....	....	....	....	....	....	....	....	....	....
Pennsylvania ...	10,318	11,498	10,765	5,363	4,367	4,218	4,199	4,372	4,642
Rhode Island ..	2,754	2,685	2,520	2,355	2,081	1,863	1,845	2,058	2,166
South Carolina .	460	504	447	269	189	149	133	150	134
South Dakota ..	562	340	325	288	219	180	203	212	217
Tennessee	335	305	285	169	94	50	63	13	37
Texas	645	787	704	656	438	84	113	134	147
Utah	63	116	103	13	38	23	20	13	12
Vermont	741	622	614	551	512	447	428	535	573
Virginia	1,802	2,314	2,084	1,194	1,031	991	1,087	1,171	1,063
Washington .....	....	....	....	....	....	....	....	....	....
West Virginia ..	144	82	51	40	35	25	27	47	51
Wisconsin	3,300	2,817	2,747	2,167	1,728	1,688	1,878	2,002	1,920
Wyoming	172	171	75	49	40	42	28	28	24
U. S. total....	128,088	127,637	113,462	89,172	75,824	68,842	70,903	76,501	78,339

¹ Preliminary.

² See footnote (2), p. 20.

Authority: Bureau of Mines.

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,¹ 1941-1949—Continued

(Thousands of Barrels)

DISTILLATE FUEL OIL, GRADE NO. 3

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	7	89	90	128	90	99	79	63	52
Arizona	207	268	251	232	189	207	184	121	97
Arkansas	5	6	9	10	18	21	24	34	51
California	3,261	3,329	3,372	3,475	2,827	3,011	1,929	1,860	1,401
Colorado	90	185	175	156	139	92	34	11	10
Connecticut	102	638	649	583	517	478	367	301	214
Delaware .....	....	81	90	105	122	106	92	152	62
Dist. of Col. ....	....	....	....	....	15	6	20	4	5
Florida	143	241	215	205	113	98	106	130	123
Georgia	91	91	90	189	135	108	110	147	98
Idaho	72	77	71	90	39	44	32	58	49
Illinois	3,329	5,997	6,296	6,796	6,158	6,081	6,233	6,864	6,549
Indiana	248	891	669	516	418	403	447	553	643
Iowa	249	369	384	365	328	344	368	421	481
Kansas	34	195	81	80	57	56	53	86	107
Kentucky	44	89	80	91	100	94	62	69	81
Louisiana	28	69	73	72	63	60	56	71	86
Maine	5	44	51	1	....	....	....	5	6
Maryland	60	495	420	203	134	128	136	201	209
Massachusetts	102	245	261	251	276	244	323	309	203
Michigan	1,065	1,690	1,935	1,614	1,322	1,165	1,116	1,265	1,299
Minnesota	1,190	1,887	1,607	1,077	911	840	910	1,265	1,175
Mississippi	4	4	5	26	19	18	16	18	21
Missouri	861	1,911	1,892	1,921	1,740	1,659	1,897	2,191	2,105
Montana	43	139	129	77	33	55	45	47	44
Nebraska	404	973	970	861	927	821	859	964	812
Nevada	338	363	239	186	221	237	155	329	190
New Hampshire	21	15	14	7	1	10	16	36	33
New Jersey	1,570	3,319	2,491	1,226	1,129	923	719	676	534
New Mexico	5	15	14	12	....	20	24	21	17
New York	2,251	3,568	2,641	1,979	1,839	1,678	1,729	1,955	2,104
North Carolina	464	518	498	479	341	291	266	302	201
North Dakota	72	97	95	81	57	47	47	45	50
Ohio	667	1,770	1,360	728	710	685	705	741	545
Oklahoma	1	13	27	27	10	14	11	8	12
Oregon	2,228	2,144	1,867	1,303	1,158	1,062	1,043	1,023	841
Pennsylvania	513	1,850	1,969	1,650	1,545	1,284	1,372	1,009	952
Rhode Island	16	261	290	302	315	284	249	274	252
South Carolina	115	43	40	42	16	9	17	18	13
South Dakota	79	173	140	96	52	65	56	93	103
Tennessee	24	61	74	72	61	52	44	43	48
Texas	35	215	223	203	133	73	76	114	133
Utah	199	233	212	198	82	64	98	76	33
Vermont	16	34	15	13	5	9	9	12	15
Virginia	15	19	18	15	14	7	19	87	56
Washington	3,539	3,561	3,260	2,587	2,142	2,062	1,894	1,699	1,546
West Virginia	20	14	15	50	61	53	43	6	5
Wisconsin	933	1,674	1,776	1,470	1,201	1,195	1,429	1,708	1,743
Wyoming	19	23	40	36	27	20	14	5	15
U. S. total....	24,784	39,986	37,233	31,886	27,810	26,382	25,533	27,490	25,424

¹ Preliminary.

² See footnote (2), p. 20.

Authority: Bureau of Mines.

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,¹ 1941-1949—Continued

(Thousands of Barrels)

DISTILLATE FUEL OIL, GRADE NO. 4

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama .....	....	....	....	....	1	....	....	....	....
Arizona .....	....	....	....	....	....	....	....	....	....
Arkansas .....	....	2	1	....	....	....	....	....	....
California .....	....	....	....	....	....	....	....	....	....
Colorado	1	....	....	....	2	....	....	5	....
Connecticut	41	21	15	20	27	59	103	153	131
Delaware .....	....	....	....	....	5	6	4	18	16
Dist. of Col.	1	....	....	....	1	....	2	18	32
Florida .....	....	....	....	....	13	18	17	18	22
Georgia .....	....	....	....	....	11	3	3	4	6
Idaho	13	24	21	2	....	5	10	....	2
Illinois	9	175	215	254	407	293	278	339	325
Indiana	32	27	13	51	78	76	66	21	30
Iowa	1	....	....	2	17	15	23	29	31
Kansas	7	1	....	....	....	1	2	1	3
Kentucky	62	59	....	....	....	6	14	....	10
Louisiana	3	4	6	7	8	9	....	32	34
Maine	2	....	....	....	....	....	10	19	23
Maryland .....	....	....	....	1	25	91	117	151	208
Massachusetts ..	80	22	....	....	84	92	123	196	245
Michigan	109	51	43	68	92	94	75	103	73
Minnesota	31	96	29	25	32	34	42	44	64
Mississippi .....	....	....	....	....	....	....	....	....	....
Missouri	106	218	56	48	68	45	54	66	72
Montana .....	....	....	....	....	....	10	12	1	....
Nebraska	5	4	5	4	8	15	21	26	21
Nevada .....	....	....	....	....	....	....	....	....	....
New Hampshire ..	....	....	....	....	....	11	12	21	22
New Jersey	197	230	255	307	406	529	661	872	808
New Mexico .....	....	....	....	....	....	....	....	....	....
New York	328	57	235	276	422	531	773	1,012	1,290
North Carolina ..	....	....	....	....	2	....	1	9	6
North Dakota ..	....	....	....	1	....	....	....	....	....
Ohio	371	621	71	19	18	2	6	14	11
Oklahoma .....	....	3	2	1	....	1	1	1	....
Oregon .....	....	....	....	....	....	....	....	....	....
Pennsylvania ..	41	11	25	42	128	180	361	453	398
Rhode Island	10	....	....	....	27	33	38	53	59
South Carolina ..	....	....	....	....	....	....	....	6	7
South Dakota ..	....	3	2	2	3	3	1	1	....
Tennessee .....	....	....	....	....	....	....	....	....	....
Texas	48	73	75	152	236	16	16	24	35
Utah	50	47	14	8	5	7	9	3	....
Vermont .....	....	....	....	....	....	....	....	2	5
Virginia	3	....	....	....	1	....	....	2	6
Washington ....	....	....	....	....	....	....	....	....	....
West Virginia ..	1	....	....	....	....	....	....	....	1
Wisconsin	26	21	17	14	27	35	45	32	44
Wyoming	1	1	2	....	....	5	6	....	....
U. S. total....	1,579	1,771	1,102	1,304	2,154	2,225	2,906	3,749	4,090

¹ Preliminary.

² See footnote (2), p. 20.

Authority. Bureau of Mines.

More Than 30 Per Cent of Distillate Fuel Oil for Heating Sold in Middle Atlantic States

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,² 1941-1949—Continued

(Thousands of Barrels)

TOTAL DISTILLATE FUEL OIL

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	486	463	328	276	190	178	142	98	92
Arizona	515	677	601	581	507	462	415	368	240
Arkansas	115	80	79	76	69	63	68	130	195
California	6,725	7,396	7,370	7,498	6,128	6,325	4,235	3,806	2,899
Colorado	648	719	568	482	353	296	251	193	216
Connecticut	7,581	8,443	6,829	5,145	4,587	4,340	4,335	4,548	4,915
Delaware	884	735	661	480	408	367	339	395	347
Dist. of Col.	1,784	2,235	2,216	1,770	1,565	1,419	1,556	1,819	1,759
Florida	1,061	1,222	1,092	892	623	518	520	624	637
Georgia	718	837	517	485	352	277	269	353	355
Idaho	970	1,007	516	376	246	160	143	140	97
Illinois	10,653	12,677	12,621	11,156	12,371	12,099	12,201	13,769	13,463
Indiana	3,367	3,748	2,730	1,851	1,454	1,390	1,296	1,486	1,517
Iowa	4,013	3,496	2,581	2,315	1,897	1,808	1,898	2,179	1,914
Kansas	865	951	543	489	438	379	392	382	334
Kentucky	487	618	347	308	235	232	204	192	209
Louisiana	306	299	288	281	249	240	261	362	253
Maine	1,988	1,840	1,766	1,079	855	823	866	1,016	1,158
Maryland	6,096	6,981	5,923	3,641	3,065	2,562	2,552	2,734	2,472
Massachusetts ..	15,918	17,066	16,204	10,417	9,164	8,246	8,572	9,658	11,777
Michigan	8,613	7,598	6,935	5,197	4,223	3,991	4,208	4,679	4,156
Minnesota	7,581	7,212	6,807	5,172	4,116	3,880	4,474	5,201	4,953
Mississippi	112	81	55	49	42	40	39	42	46
Missouri	3,494	4,639	4,250	4,090	3,646	3,361	3,688	4,340	4,617
Montana	577	541	531	436	315	144	123	100	118
Nebraska	1,975	2,236	1,974	1,682	1,537	1,416	1,376	1,470	1,584
Nevada	568	677	582	471	519	528	332	467	292
New Hampshire ..	1,519	1,130	1,106	809	726	648	775	1,034	1,239
New Jersey	19,321	20,992	18,147	14,390	12,750	10,832	10,992	11,899	11,165
New Mexico	98	128	126	110	64	37	58	59	43
New York	34,832	34,561	30,802	27,306	24,134	22,639	23,741	25,245	25,822
North Carolina ..	1,671	1,591	1,250	1,073	751	502	439	497	391
North Dakota ..	962	553	503	400	299	276	295	330	318
Ohio	4,116	4,677	3,003	1,703	1,490	1,268	1,293	1,370	1,161
Oklahoma	184	129	89	74	68	63	73	105	109
Oregon	4,378	4,515	3,768	2,754	2,127	2,005	1,764	1,540	1,442
Pennsylvania	11,889	13,838	13,109	7,192	6,164	5,792	6,074	6,085	6,208
Rhode Island ..	2,886	3,007	2,865	2,709	2,462	2,219	2,181	2,426	2,298
South Carolina ..	628	578	527	348	231	183	174	197	172
South Dakota ..	965	805	724	604	407	363	404	453	424
Tennessee	441	408	383	261	171	119	121	69	98
Texas	1,009	1,081	1,027	1,028	812	195	232	317	358
Utah	513	583	478	316	176	128	146	120	52
Vermont	334	661	632	565	518	456	443	550	595
Virginia	2,262	2,624	2,397	1,384	1,104	1,067	1,172	1,321	1,187
Washington	8,161	8,219	7,183	5,572	4,194	3,907	3,509	2,943	2,557
West Virginia ...	190	104	76	105	96	78	62	55	61
Wisconsin	5,187	5,123	5,076	4,098	3,335	3,303	3,771	4,247	4,321
Wyoming	241	243	174	141	109	105	87	93	78
U. S. total....	190,387	200,024	178,359	139,637	121,342	111,729	112,581	121,506	120,908

¹ Preliminary.

² See footnote (2), p. 20.

Authority: Bureau of Mines.

Record Sales of No. 5 Fuel Oil for Heating Expand Market to All States in 1949 for First Time

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,² 1941-1949—Continued

(Thousands of Barrels)

RESIDUAL FUEL OIL, GRADE NO. 5

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	12	7	4	7	4	7	...	...	...
Arizona	23	23	38	28	17	63	58	46	31
Arkansas	110	...	...	...	...	...	...	...	...
California	2,791	3,825	4,393	4,955	3,837	3,630	3,496	2,818	2,380
Colorado	33	1	3	2	...	...	1	6	...
Connecticut	1,910	1,919	673	543	535	372	368	490	574
Delaware	82	...	...	...	6	10	20	22	21
Dist. of Col. ..	96	75	36	31	9	10	30	22	18
Florida	172	26	78	25	34	12	22	30	35
Georgia	205	18	30	17	11	9	11	10	18
Idaho	69	...	...	...	2	...	2	...	2
Illinois	2,751	2,994	2,876	2,265	2,189	2,033	2,436	2,786	2,923
Indiana	355	501	502	407	377	326	407	480	582
Iowa	201	86	71	118	120	132	210	257	343
Kansas	376	109	94	124	159	116	54	24	60
Kentucky	25	8	26	25	9	...	6	7	...
Louisiana	242	35	...	...	5	4	6	18	18
Maine	76	...	1	1	...	...	...	1	...
Maryland	181	114	164	145	129	122	51	53	47
Massachusetts ..	1,388	1,575	2,134	666	404	360	421	465	511
Michigan	815	1,494	1,349	1,039	943	972	1,119	1,369	1,470
Minnesota	329	151	196	259	318	312	413	423	527
Mississippi	1	...	...	...	...	...	...	...	...
Missouri	974	1,774	1,630	1,103	1,262	1,068	1,335	1,342	1,506
Montana	30	2	15	14	16	19	18	...	20
Nebraska	127	85	127	115	136	142	191	206	254
Nevada	65	60	46	68	66	101	142	105	44
New Hampshire ..	21	17	6	7	5	2	5	6	5
New Jersey	2,118	1,553	1,896	985	931	830	999	1,267	1,098
New Mexico	1	...	...	...	...	...	...	...	...
New York	2,411	1,770	1,969	1,279	942	765	774	1,072	1,138
North Carolina..	21	...	...	...	...	...	...	...	3
North Dakota ..	4	1	...	...	...	...	6	10	14
Ohio	329	176	220	150	168	142	141	155	152
Oklahoma	126	5	...	2	1	...	...	...	20
Oregon	1,032	1,441	1,081	1,588	1,402	1,254	883	604	491
Pennsylvania ...	1,412	1,479	1,594	1,293	1,287	1,189	1,359	1,602	1,424
Rhode Island ...	224	46	10	8	39	31	47	20	46
South Carolina ..	18	7	6	8	6	5	5	11	8
South Dakota ..	11	4	2	2	...	6	10	15	25
Tennessee	12	2	...	...	...	...	...	...	...
Texas	834	143	138	...	48	25	53	52	77
Utah	28	...	...	...	2	6	4	...	...
Vermont	8	21	13	11	15	11	20	23	21
Virginia	43	32	2	4	1	...	...	4	1
Washington	2,025	2,245	1,751	2,091	1,599	1,310	1,179	1,257	1,203
West Virginia ..	75	2	...	...	...	...	...	...	1
Wisconsin	305	589	496	395	370	313	460	563	698
Wyoming	13	3	16	15	...	2	7	...	...
U. S. total...	24,510	24,418	23,686	19,795	17,404	15,711	16,769	17,641	17,809

¹ Preliminary.

² See footnote (2), p. 20.

Authority: Bureau of Mines.

New York Leads in Sales of No. 6 Residual Fuel Oil

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,² 1941-1949—Continued

(Thousands of Barrels)

RESIDUAL FUEL OIL, GRADE NO. 6

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	42	26	26	4	8	1	6	1	....
Arizona	3	....	....	....	....	3	3	1	1
Arkansas	148	5	65	55	50	53	....	3	....
California	488	544	807	705	725	773	578	451	434
Colorado	76	....	....	....	....	....	10	10	14
Connecticut ..	2,340	2,049	1,419	1,056	908	694	790	1,149	1,027
Delaware	136	80	95	85	70	80	117	129	20
Dist. of Col.	649	500	632	696	632	568	524	659	660
Florida	275	313	289	365	294	298	378	436	483
Georgia	289	30	55	41	32	35	44	53	71
Idaho	13	5	....	....	....	....	5	8	....
Illinois	2,083	1,904	2,517	2,912	2,677	2,566	2,513	2,777	2,374
Indiana	430	96	164	218	203	209	236	278	239
Iowa	54	5	54	44	34	30	57	52	46
Kansas	152	50	92	90	80	53	41	56	61
Kentucky	111	61	85	90	110	130	150	79	65
Louisiana	260	49	51	50	41	42	50	76	86
Maine	187	137	141	181	163	141	186	207	259
Maryland	681	639	586	706	654	576	610	796	814
Massachusetts ..	5,720	6,496	5,164	3,931	3,424	2,890	3,082	3,848	4,230
Michigan	1,081	565	919	990	864	807	424	437	229
Minnesota	140	146	91	103	90	76	117	158	181
Mississippi	4	2	....	....	....	....	....	....	....
Missouri	507	358	439	411	359	344	363	388	405
Montana	65	11	40	43	34	43	45	10	7
Nebraska	70	1	19	18	15	20	25	32	43
Nevada	12	5	28	5	5	....	....	8	8
New Hampshire ..	180	80	264	235	224	212	243	294	186
New Jersey	4,802	4,312	3,496	3,050	2,711	2,602	2,884	2,944	2,449
New Mexico	1	....	....	....	....	....	5	6	8
New York	9,510	10,495	9,518	9,083	8,180	7,799	8,171	9,190	9,089
North Carolina ..	17	....	21	20	18	20	25	31	42
North Dakota ..	....	11	1	11	....	....	....	....	....
Ohio	233	70	60	47	22	7	54	82	75
Oklahoma	60	13	....	....	....	1	....	13	50
Oregon	74	104	572	690	348	300	201	411	333
Pennsylvania	1,964	2,695	2,315	2,303	2,096	1,949	2,156	2,664	2,590
Rhode Island	1,547	1,464	1,352	703	540	544	648	802	869
South Carolina ..	2	....	....	....	....	....	....	....	....
South Dakota	9	21	10	....	10	8	8	8	7
Tennessee	165	129	90	95	85	105	71	5	6
Texas	470	68	77	75	25	30	51	65	83
Utah	29	....	....	....	....	....	....	....	....
Vermont	43	49	72	70	52	45	66	85	89
Virginia	165	141	263	183	165	152	210	238	289
Washington	328	287	595	379	351	367	488	638	603
West Virginia	35	....	....	....	....	....	....	....	....
Wisconsin	245	196	228	194	169	189	266	264	272
Wyoming	9	7	4	2	4	1	....	....	....
U. S. total....	35,904	34,221	32,716	29,939	26,470	24,763	25,901	29,842	28,797

¹ Preliminary.

² See footnote (2), p. 20.

Authority: Bureau of Mines.

U. S. SALES OF HEATING OILS, BY STATES AND GRADES,¹ 1941-1949—Continued

(Thousands of Barrels)

TOTAL RESIDUAL FUEL OIL									
State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	54	35	30	11	12	8	6	1	...
Arizona	26	23	38	28	17	66	61	47	32
Arkansas	258	5	65	55	50	53	...	3	...
California	3,279	4,369	5,200	5,660	4,562	4,403	4,074	3,269	2,814
Colorado	109	1	3	2	...	...	11	16	14
Connecticut	4,250	3,968	2,092	1,599	1,441	1,066	1,158	1,639	1,601
Delaware	218	80	95	85	76	90	137	151	41
Dist. of Col.	745	575	668	727	641	578	554	681	678
Florida	447	339	367	390	328	310	400	466	518
Georgia	494	48	85	58	43	44	55	63	89
Idaho	82	5	...	...	2	...	7	8	2
Illinois	4,834	4,898	5,393	5,177	4,865	4,599	4,949	5,563	5,297
Indiana	785	597	666	625	580	535	643	758	821
Iowa	255	91	125	162	154	162	267	309	389
Kansas	528	159	186	214	239	169	95	80	121
Kentucky	136	69	111	115	119	130	156	86	65
Louisiana	502	84	51	50	46	46	56	94	104
Maine	263	137	142	182	163	141	186	208	259
Maryland	862	753	750	851	783	698	661	849	861
Massachusetts ..	7,108	8,071	7,298	4,597	3,828	3,250	3,503	4,313	4,741
Michigan	1,896	2,059	2,268	2,029	1,807	1,779	1,543	1,806	1,699
Minnesota	469	297	287	362	408	388	530	581	708
Mississippi	5	2	...	...	...	...	...	...	...
Missouri	1,481	2,132	2,069	1,814	1,621	1,412	1,698	1,730	1,911
Montana	95	13	55	57	50	62	63	10	27
Nebraska	197	86	146	133	151	162	216	238	297
Nevada	77	65	74	73	71	101	142	113	52
New Hampshire ..	201	97	270	242	229	214	248	300	191
New Jersey	6,920	5,865	5,392	4,035	3,642	3,432	3,883	4,211	3,547
New Mexico	2	...	...	...	...	...	5	6	8
New York	11,921	12,265	11,487	10,362	9,122	8,564	8,945	10,262	10,227
North Carolina ..	38	...	21	20	18	20	25	31	45
North Dakota ..	4	12	1	...	...	...	6	10	14
Ohio	562	246	280	197	190	149	195	237	227
Oklahoma	186	18	...	2	1	1	...	13	70
Oregon	1,106	1,545	1,653	2,278	1,750	1,554	1,084	1,015	824
Pennsylvania	3,376	4,174	3,909	3,596	3,383	3,138	3,515	4,266	4,014
Rhode Island	1,771	1,510	1,362	711	579	575	695	822	915
South Carolina ..	20	7	6	8	6	5	5	11	8
South Dakota ..	20	25	12	13	10	14	18	23	32
Tennessee	177	131	90	95	85	105	71	5	6
Texas	1,304	211	215	75	73	55	104	117	160
Utah	57	...	...	...	2	6	4	...	...
Vermont	51	70	85	81	67	56	86	108	110
Virginia	208	173	265	187	166	152	210	242	290
Washington	2,353	2,532	2,346	2,470	1,950	1,677	1,667	1,895	1,806
West Virginia ..	110	2	...	...	...	...	...	...	1
Wisconsin	550	785	724	589	539	502	726	827	970
Wyoming	22	10	20	17	4	3	7	...	...
U. S. total	60,414	58,639	56,402	49,734	43,874	40,474	42,670	47,483	46,606

¹ Preliminary.

² See footnote (2), p. 20.

Authority: Bureau of Mines.

Diesel-Oil Sales Show Dramatic Rise During Past Four Years

TOTAL U. S. SALES OF DIESEL OIL (ALL USES), BY STATES, 1934-1949

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
Alabama	1,341	1,417	1,135	753	674	742	695	616	438	244	194	143	97	66	17	10
Arizona	469	601	469	351	393	351	279	230	221	145	302	190	223	125	137	56
Arkansas	1,014	998	958	622	401	548	308	214	147	203	68	206	201	84	59	42
California	13,075	11,604	8,145	8,145	8,609	10,520	10,895	6,898	6,978	8,827	10,167	9,926	12,145	10,109	9,405	7,666
Colorado	824	785	660	560	466	397	272	272	160	111	75	59	44	26	17	4
Connecticut	995	779	676	650	554	447	372	213	184	117	106	77	32	23	16	23
Delaware	60	66	48	44	57	199	80	13	19	14	4	6	11	20	8	2
Dist. of Columbia ..	342	305	241	168	207	278	253	223	237	114	72	27	7	12	8	5
Florida	2,273	2,328	2,186	1,895	1,509	1,350	1,431	1,309	837	539	462	275	399	153	108	42
Georgia	1,225	955	552	434	434	335	334	318	274	198	168	129	121	60	23	12
Idaho	495	420	358	272	221	238	178	230	126	74	55	81	70	40	25	7
Illinois	4,796	4,418	3,829	2,217	1,793	1,425	1,129	1,099	857	634	475	458	424	183	142	88
Indiana	1,650	1,619	1,168	631	562	533	512	475	537	341	287	287	118	52	37	29
Iowa	2,140	2,029	1,643	1,180	806	643	562	517	383	262	222	225	167	81	61	63
Kansas	1,791	1,965	1,563	1,063	943	635	608	527	305	187	165	214	130	86	73	51
Kentucky	1,280	1,093	1,006	611	618	522	447	456	240	174	145	107	155	23	3	4
Louisiana	3,184	3,236	2,321	1,820	2,640	4,169	2,946	1,650	1,566	1,051	983	784	585	472	340	336
Maine	368	409	226	136	71	56	61	70	69	53	42	23	21	11	6	3
Maryland	1,303	1,148	1,231	1,119	1,477	1,013	627	366	443	347	280	275	245	153	118	101
Massachusetts	1,563	1,478	1,249	973	1,141	1,134	490	455	423	315	319	264	196	152	125	147
Michigan	1,980	2,209	1,692	1,316	1,282	746	694	680	620	488	221	117	54	33	4	3
Minnesota	1,305	1,147	983	675	500	438	432	439	283	180	165	120	167	85	40	34
Mississippi	676	660	620	357	288	293	252	252	275	163	167	123	139	28	18	12
Missouri	1,899	2,005	1,340	1,036	995	1,002	597	559	346	319	262	216	133	52	51	57
Montana	1,187	821	719	539	1,035	635	169	183	153	114	83	54	75	22	17	10
Nebraska	1,019	918	832	543	550	474	279	323	199	256	218	199	101	63	44	18
Nevada	1,166	642	535	243	170	171	209	130	146	103	68	152	82	81	161	39
New Hampshire	210	68	79	45	29	65	48	48	106	78	49	17	19	14	14	13
New Jersey	3,365	3,734	4,532	3,866	7,740	9,250	4,830	3,835	3,065	2,348	1,936	1,699	1,353	775	645	439
New Mexico	533	412	364	339	387	344	283	85	90	98	77	69	28	19	15	23
New York	5,535	5,526	2,621	1,592	2,178	2,066	2,328	1,010	823	911	825	484	429	385	340	325
North Carolina	1,390	1,221	974	814	576	505	435	398	376	233	175	166	77	76	44	12
North Dakota	398	375	262	209	143	110	103	81	70	52	138	97	36	16	2	7
Ohio	2,659	2,468	1,732	1,169	934	477	518	451	301	226	151	134	124	93	52	72
Oklahoma	1,400	1,168	798	463	474	410	293	215	162	119	81	73	58	16	11	13
Oregon	1,751	1,480	1,799	1,565	998	813	857	667	494	461	408	298	481	390	499	324
Pennsylvania	3,905	3,429	2,454	2,299	2,531	2,524	1,109	563	707	641	589	521	480	629	578	585
Rhode Island	119	57	44	36	39	48	45	61	36	26	10	11	11	26	14	15
South Carolina	766	779	664	523	472	560	456	274	193	144	94	63	33	33	25	18
South Dakota	389	367	392	179	160	142	139	129	97	47	40	41	50	40	6	3

TOTAL U. S. SALES OF DIESEL OIL (ALL USES), BY STATES, 1934-1949—Continued

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
Tennessee	1,272	1,184	1,133	773	636	502	540	456	246	116	90	70	35	38	23	18
Texas	6,349	7,011	5,829	7,606	15,922	18,057	8,017	4,043	2,113	1,987	2,005	1,308	1,346	887	841	832
Utah	884	676	573	374	423	331	257	217	101	64	34	53	41	27	20	10
Vermont	73	86	65	28	20	46	22	13	14	14	13	7	10	5	2	3
Virginia	2,115	1,871	1,499	847	779	1,891	1,427	487	428	459	379	276	186	182	168	177
Washington	2,726	2,499	2,230	1,731	2,018	1,702	1,583	1,225	1,027	840	789	778	869	1,140	1,746	945
West Virginia	284	364	299	222	177	139	115	142	93	52	24	22	31	12	12	6
Wisconsin	1,355	1,363	1,191	576	469	375	475	343	258	190	152	55	126	113	48	30
Wyoming	896	852	268	185	911	479	94	94	83	81	81	102	27	18	6	2
U. S. total.....	67,919	85,505	69,857	54,063	66,412	70,230	49,127	33,653	27,351	24,669	23,867	21,204	21,904	17,229	16,174	12,725

¹ Preliminary.

Authority: Bureau of Mines

Diesel-Oil Sales to Railroads Up 140 Per Cent in Postwar Period

U. S. SALES OF DIESEL OIL, BY STATES AND USES, 1939-1949

(Thousands of Barrels)

FOR USE BY RAILROADS

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	543	469	367	259	204	217	199	149	80	52	36
Arizona	40	40	58	174	111	127	50	66	10	2	2
Arkansas	563	472	360	307	151	144	95	67	40	32	14
California	2,511	2,337	1,874	1,368	1,438	1,100	753	310	187	34	48
Colorado	596	498	400	324	305	211	154	89	55	25	19
Connecticut ..	621	531	392	353	294	162	127	52	3	3	4
Delaware	4	3	2	1	.....	.....	.....	2	.....	.....	.....
Dist. of Col..	304	243	200	122	137	142	141	112	119	57	43
Florida	946	751	694	427	415	266	250	138	108	95	63
Georgia	862	631	457	221	117	120	87	54	29	36	24
Idaho	145	87	70	62	49	46	31	26	15	7	4
Illinois	3,135	2,544	1,957	1,030	766	568	419	383	312	246	134
Indiana	577	445	327	228	153	125	119	98	60	19	11
Iowa	1,352	1,270	899	765	466	317	229	202	151	105	40
Kansas	1,168	1,094	938	685	433	330	255	221	150	78	54
Kentucky	324	260	250	191	182	164	137	111	40	34	24
Louisiana	627	551	337	274	217	192	188	169	45	35	11
Maine	248	191	129	61	.....	6	11	10	9	.....	.....
Maryland	479	429	368	286	141	87	81	74	26	18	16
Massachusetts ..	689	582	495	390	270	54	55	23	28	32	21
Michigan	493	248	230	178	156	115	56	40	18	3	.....
Minnesota	766	542	412	334	231	182	165	158	107	67	41
Mississippi	195	194	164	83	67	70	55	42	25	27	16
Missouri	1,115	936	508	405	385	218	168	157	105	80	38
Montana	837	525	449	411	389	214	76	68	63	43	31
Nebraska	570	493	466	387	384	402	184	174	73	48	39
Nevada	937	380	122	34	15	16	45	24	10	13	6
New Hampshire ..	42	28	22	3	1	2	2	.....	2	.....	.....
New Jersey	588	331	216	162	101	102	81	65	60	51	22
New Mexico	332	288	260	253	227	215	199	26	23	15	11
New York	1,964	1,422	869	526	385	78	71	55	69	81	48
North Carolina..	917	655	502	465	319	235	165	162	115	62	33
North Dakota ..	245	196	120	89	74	47	47	29	24	18	6
Ohio	1,544	1,313	822	504	435	173	129	94	64	56	23
Oklahoma	827	734	385	320	206	208	166	114	83	47	17
Oregon	254	139	70	97	77	32	36	50	24	9	4
Pennsylvania ..	1,941	1,611	609	421	317	127	104	60	67	60	45
Rhode Island ...	24	21	17	10	12	13	5	5	4	4	.....
South Carolina..	411	372	305	268	249	284	190	58	6	9	1
South Dakota ..	135	98	85	55	42	41	34	12	12	11	6
Tennessee	976	699	427	266	193	62	60	38	15	12	8
Texas	2,023	1,481	1,350	1,178	1,034	514	409	248	158	110	37
Utah	530	347	270	121	96	87	72	57	24	1	.....
Vermont	23	17	15	7	6	4	4	3	.....	.....	.....
Virginia	833	584	426	264	250	169	110	50	35	35	26
Washington	592	541	422	337	280	139	53	57	49	19	12
West Virginia ..	12	10	5	3	4	1	1	.....	5	4	3
Wisconsin	467	320	254	185	173	127	95	74	47	30	19
Wyoming	726	623	100	85	79	70	49	33	18	13	5
U. S. total....	36,053	28,576	20,476	14,979	12,036	8,325	6,212	4,309	2,752	1,838	1,065

¹ Preliminary.

Authority: Bureau of Mines.

U. S. SALES OF DIESEL OIL, BY STATES AND USES, 1939-1949

—Continued

(Thousands of Barrels)

FOR USE BY VESSELS (INCLUDING TANKERS)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	210	218	90	80	115	117	141	100	80	78	70
Arizona . . . .	....	....	....	....	....	....	....	....	....	....	....
Arkansas . . . .	....	112	114	71	37	41	23	3	....	....	....
California	2,222	2,658	2,490	1,948	1,822	2,270	1,488	1,270	3,532	6,556	7,520
Colorado . . . .	....	....	....	....	....	....	....	....	....	....	....
Connecticut . . .	13	16	12	12	28	23	15	20	22	27	37
Delaware	3	9	....	....	4	....	3	2	10	....	....
Dist. of Col. . .	1	3	....	....	....	2	3	....	....	2	4
Florida	210	283	380	371	341	307	257	301	304	121	114
Georgia . . . . .	....	20	40	39	74	22	16	26	23	17	24
Idaho . . . . .	....	....	....	....	....	....	....	....	....	....	....
Illinois	282	236	248	141	93	106	119	128	104	23	50
Indiana	24	18	33	16	68	84	94	89	36	8	177
Iowa . . . . .	....	5	....	....	....	....	....	....	....	....	....
Kansas . . . . .	....	....	....	....	....	....	....	....	2	5	....
Kentucky	90	121	126	103	122	85	85	77	59	35	31
Louisiana	1,455	1,583	1,058	958	560	654	798	627	721	590	619
Maine	34	32	28	25	34	7	4	3	3	7	11
Maryland	458	338	580	566	584	263	146	102	283	258	201
Massachusetts . .	560	557	587	296	362	225	191	117	135	136	173
Michigan	19	46	....	2	46	41	45	56	71	41	56
Minnesota . . . .	....	23	....	1	2	1	4	11	5	2	23
Mississippi	54	47	39	11	10	8	8	3	3	3	3
Missouri	22	2	5	7	8	5	1	7	9	6	24
Montana . . . . .	....	....	....	....	....	....	....	....	....	....	....
Nebraska . . . .	....	....	1	....	....	....	....	....	....	....	....
Nevada . . . . .	....	....	....	....	....	3	....	....	....	....	....
New Hampshire . .	2	1	1	1	....	....	....	....	....	....	....
New Jersey	1,246	1,499	2,874	2,616	4,369	4,770	3,277	2,328	2,218	1,985	1,682
New Mexico . . .	....	....	....	....	....	....	....	....	....	....	....
New York	2,167	2,216	581	302	993	1,280	1,801	474	436	507	559
North Carolina . .	7	15	17	14	9	8	11	7	21	16	10
North Dakota . . .	....	....	....	....	....	....	....	....	....	....	....
Ohio	79	15	30	29	23	14	17	27	11	8	8
Oklahoma . . . .	....	....	....	....	6	11	....	....	....	....	....
Oregon	165	116	162	92	177	188	216	85	99	123	133
Pennsylvania . . .	260	367	496	424	486	400	225	173	352	363	351
Rhode Island . . .	20	5	5	4	5	7	10	12	18	14	9
South Carolina . .	13	56	59	27	29	45	40	8	40	18	17
South Dakota . . .	....	....	....	....	....	....	....	....	....	....	....
Tennessee	12	97	233	110	77	93	91	65	60	25	4
Texas	1,985	2,199	2,304	2,287	2,198	1,132	875	1,887	1,305	1,528	1,664
Utah . . . . .	....	....	....	....	....	....	....	....	1	....	....
Vermont	3	2	1	....	....	....	....	....	1	....	2
Virginia	280	282	454	233	278	178	168	131	122	109	120
Washington	484	525	538	345	412	358	283	256	463	350	410
West Virginia . . .	5	6	4	4	2	7	16	47	21	15	....
Wisconsin . . . . .	....	....	....	....	....	....	1	3	1	3	2
Wyoming . . . . .	....	....	....	....	....	....	....	....	....	....	....
U. S. total	12,385	13,728	13,590	11,135	13,374	12,755	10,472	8,445	10,571	12,979	14,108

¹ Preliminary. 1949 figures do not include 2,718,000 barrels of residual diesel fuel.

Authority: Bureau of Mines.

Diesel-Oil Sales to Utilities Rise Fourfold from Prewar Levels

U. S. SALES OF DIESEL OIL, BY STATES AND USES, 1939-1949 —Continued

(Thousands of Barrels)

FOR USE BY GAS AND ELECTRIC POWER PLANTS

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	9	8	11	46	48	42	38	33	27	5	3
Arizona	24	24	30	30	29	25	35	22	11	24	93
Arkansas	130	132	95	69	52	88	48	20	24	34	22
California	308	127	56	3	102	33	14	11	83	5	31
Colorado	91	90	98	90	65	89	18	17	16	16	14
Connecticut	174	29	28	....	....	....	1	12	9	15	17
Delaware	3	9	12	11	6	5	4	....	....	9	1
Dist. of Col.	1	9	10	2	....	34	43	24	18	....	1
Florida	235	231	220	178	153	132	146	147	123	125	111
Georgia	85	37	39	45	55	40	37	29	24	16	19
Idaho	6	8	6	7	4	6	3	1	1	....	1
Illinois	183	190	327	145	117	70	98	59	62	69	60
Indiana	208	306	220	76	70	55	50	51	67	41	34
Iowa	712	650	640	338	277	274	251	234	157	110	102
Kansas	183	392	328	198	136	166	205	164	82	65	62
Kentucky	21	95	118	29	35	34	26	28	17	12	4
Louisiana	127	172	170	56	30	38	27	33	52	69	63
Maine	35	19	21	9	7	....	....	....	....	....	....
Maryland	63	66	35	37	27	9	6	7	10	14	7
Massachusetts ..	28	41	72	71	20	15	12	11	43	47	43
Michigan	235	515	340	142	113	102	74	80	85	72	59
Minnesota	315	321	333	136	113	102	88	74	60	47	40
Mississippi	43	49	53	28	21	24	27	10	23	15	13
Missouri	301	430	315	311	333	449	160	140	94	109	95
Montana	13	9	10	8	10	8	3	4	8	4	3
Nebraska	286	278	248	90	60	34	53	83	95	130	109
Nevada	18	17	13	11	9	6	8	6	5	4	....
New Hampshire ..	33	19	40	35	19	21	18	18	25	42	35
New Jersey	248	182	80	4	1	9	31	32	41	49	19
New Mexico	17	19	16	14	10	10	15	13	9	8	7
New York	375	473	163	18	211	85	22	22	56	77	68
North Carolina ..	99	99	94	84	70	71	62	76	60	38	54
North Dakota ..	76	61	52	41	34	30	26	19	17	11	10
Ohio	89	87	61	41	74	38	31	49	29	26	14
Oklahoma	259	201	205	38	26	18	12	10	12	14	24
Oregon	28	100	858	570	204	70	68	77	54	3	3
Pennsylvania ..	260	206	115	114	27	18	19	11	11	9	10
Rhode Island	1	....	2	....	....	....	....	1	....	....	....
South Carolina ..	57	88	74	59	57	51	42	30	24	23	23
South Dakota ..	210	215	266	105	99	92	82	88	66	23	23
Tennessee	14	46	53	83	21	14	20	20	7	1	....
Texas	48	335	318	8	2	....	19	21	25	20	....
Utah	57	59	56	34	30	26	22	20	15	20	7
Vermont	11	24	12	....	....	....	....	....	2	....	3
Virginia	195	207	175	87	51	36	159	140	121	166	139
Washington	62	69	74	166	157	56	25	21	10	7	45
West Virginia ..	4	8	7	9	10	1	....	4	4	1	1
Wisconsin	460	526	512	100	62	53	53	43	28	33	34
Wyoming	11	37	19	17	10	4	5	6	7	3	1
U. S. total....	6,449	7,315	7,100	3,793	3,067	2,583	2,206	2,021	1,819	1,631	1,527

¹ Preliminary.

Authority. Bureau of Mines.

Heavy Industry an Important User of Diesel Oil

U. S. SALES OF DIESEL OIL, BY STATES AND USES, 1939-1949 —Continued

(Thousands of Barrels)

FOR USE BY SMELTERS, MINES, AND MANUFACTURING INDUSTRIES

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	420	432	329	156	134	121	122	94	57	19	17
Arizona	96	86	53	57	68	33	38	58	97	30	77
Arkansas	75	81	72	42	33	30	33	31	10	12	11
California	1,030	731	446	389	270	311	249	238	167	123	141
Colorado	32	56	45	32	28	12	26	34	16	11	....
Connecticut	68	65	51	46	51	72	81	53	38	33	11
Delaware	31	32	26	24	30	32	40	6	3	3	2
Dist. of Col....	4	6	4	2	3	4	13	6	9	10	11
Florida	415	520	462	335	267	297	328	265	151	82	78
Georgia	237	296	257	105	68	53	82	62	111	52	30
Idaho	96	57	41	31	20	42	37	43	39	13	12
Illinois	728	887	770	517	413	364	305	265	151	106	72
Indiana	522	589	354	201	171	182	172	167	111	88	62
Iowa	28	64	55	40	29	29	26	23	12	15	26
Kansas	297	211	129	72	54	63	72	64	13	16	14
Kentucky	361	383	339	208	177	157	124	118	40	21	24
Louisiana	253	213	97	84	64	88	70	61	58	30	26
Maine	15	11	10	8	4	3	7	7	15	9	....
Maryland	71	88	84	72	19	54	59	33	26	17	27
Massachusetts ..	47	36	25	21	62	38	45	53	32	20	20
Michigan	916	1,147	938	862	771	369	402	367	312	256	51
Minnesota	164	174	165	148	120	123	150	133	58	13	18
Mississippi	49	72	62	42	37	47	36	31	32	9	31
Missouri	281	391	310	239	178	217	117	94	50	38	34
Montana	5	20	15	16	15	7	4	8	9	11	7
Nebraska	51	59	44	15	20	16	18	14	12	....	....
Nevada	67	98	55	64	41	45	47	30	95	40	32
New Hampshire...	6	1	....	1	1	3	5	8	18	18	....
New Jersey	842	1,230	913	718	580	628	623	529	544	174	149
New Mexico	40	43	22	14	6	8	13	13	22	18	13
New York	458	569	428	228	211	251	111	97	89	62	53
North Carolina..	287	316	236	125	84	94	111	94	108	64	34
North Dakota ..	11	24	18	22	24	9	12	11	2	2	2
Ohio	507	626	491	367	246	130	147	105	88	61	47
Oklahoma	38	39	30	12	11	11	14	11	3	2	1
Oregon	396	312	226	243	112	113	103	102	77	34	27
Pennsylvania ...	778	762	796	596	517	139	141	130	120	85	78
Rhode Island ...	6	4	3	5	3	3	13	5	4	5	....
South Carolina..	100	138	115	86	44	23	41	26	27	10	5
South Dakota ..	23	26	16	5	6	1	1	2	....	1	2
Tennessee	102	184	170	127	105	110	135	130	45	24	44
Texas	551	690	587	487	483	665	154	107	34	34	26
Utah	73	54	31	31	15	13	19	8	11	6	7
Vermont	28	28	25	11	9	10	13	2	5	6	4
Virginia	49	71	69	57	28	35	50	42	36	23	18
Washington	323	254	186	177	174	231	208	118	81	135	28
West Virginia ..	94	88	77	65	31	32	53	41	26	11	4
Wisconsin	286	382	282	205	179	158	243	166	123	90	65
Wyoming	10	27	13	11	9	5	....	7	12	15	26
U. S. total....	11,367	12,673	9,972	7,421	6,025	5,481	4,913	4,112	3,199	1,957	1,465

¹ Preliminary.

Authority: Bureau of Mines

U. S. SALES OF DIESEL OIL, BY STATES AND USES, 1939-1949

—Continued

(Thousands of Barrels)

FOR USE AS OIL-COMPANY FUEL

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	4	3	4	1	....	11	....	....	....	....	....
Arizona .....	....	....	....	....	....	11	....	20	....	....	....
Arkansas	2	1	....	....	....	81	....	....	....	....	1
California	141	137	114	95	55	....	81	92	46	23	22
Colorado .....	....	1	1	....	1	....	....	....	....	....	....
Connecticut	1	....	....	....	....	....	....	....	....	....	....
Delaware .....	....	....	....	....	....	1	....	....	....	....	....
Dist. of Col. ....	....	....	....	....	....	1	1	....	....	....	....
Florida	6	4	29	28	....	....	....	....	1	1	12
Georgia	2	2	8	7	....	....	1	1	1	1	2
Idaho .....	....	....	....	....	....	33	....	....	....	....	....
Illinois	4	29	50	39	24	....	22	42	46	48	35
Indiana	5	3	1	1	2	1	....	3	5	....	....
Iowa	1	1	....	1	1	8	....	....	....	....	1
Kansas	19	13	20	17	7	4	9	7	2	5	5
Kentucky	3	3	6	5	4	13	7	3	2	6	....
Louisiana	50	42	29	24	28	....	4	5	9	6	4
Maine	2	....	....	....	....	....	....	....	....	....	....
Maryland	1	....	....	....	....	....	....	1	....	....	....
Massachusetts ..	2	1	1	1	....	6	....	....	....	1	2
Michigan	2	1	....	8	7	....	6	26	40	46	3
Minnesota .....	....	....	....	....	....	....	....	....	....	....	....
Mississippi	5	8	1	1	....	....	....	....	....	....	....
Missouri	11	....	2	2	....	....	....	....	....	....	3
Montana	1	1	....	....	....	....	15	16	....	4	3
Nebraska .....	....	....	....	....	....	....	....	....	....	....	....
Nevada .....	....	....	....	....	....	....	....	....	....	....	....
New Hampshire ..	....	....	....	....	....	2	....	....	....	....	....
New Jersey	3	6	7	2	2	4	1	1	4	7	1
New Mexico	1	2	1	2	1	1	4	....	....	1	....
New York	2	6	7	1	1	....	....	....	5	5	4
North Carolina ..	2	26	2	....	....	....	....	....	....	....	....
North Dakota .....	....	....	....	....	2	5	....	....	....	....	....
Ohio	3	3	3	1	1	2	6	8	10	6	6
Oklahoma	28	....	1	1	2	....	1	3	....	10	5
Oregon	6	2	3	1	....	6	....	2	2	4	4
Pennsylvania	1	25	18	17	14	....	4	12	23	20	21
Rhode Island .....	....	....	....	....	....	....	....	....	....	....	1
South Carolina ..	3	1	10	9	....	....	....	....	....	....	....
South Dakota .....	....	....	....	....	....	....	....	....	....	....	....
Tennessee	3	1	2	3	2	54	....	1	....	....	1
Texas	78	56	71	65	59	1	22	25	37	26	36
Utah	2	1	....	1	....	....	....	....	....	....	....
Vermont .....	....	....	....	....	....	....	....	....	....	....	....
Virginia	18	1	....	....	....	11	....	....	2	....	....
Washington	19	18	16	11	10	1	12	10	3	3	2
West Virginia ..	....	....	....	1	3	....	....	....	....	....	....
Wisconsin	1	....	....	....	....	4	....	....	....	....	....
Wyoming	9	12	10	1	3	4	....	....	....	....	....
U. S. total....	441	410	417	346	229	239	196	278	238	223	177

¹ Preliminary.

Authority: Bureau of Mines.

U. S. SALES OF DIESEL OIL, BY STATES AND USES, 1939-1949

—Continued

(Thousands of Barrels)

FOR USE BY U. S. ARMY, NAVY, AND COAST GUARD

State	1949 ¹	1948	1947	1946	1945	1944	1943 ²	1942 ²	1941 ²	1940	1939
Alabama	16	25	18	18	22	52	....	....	...	6	1
Arizona .....	....	3	2	3	5	30	....	....	....	....	25
Arkansas	1	..	34	5	8	85	....	....	....	1	1
California	1,737	3,055	2,330	1,183	2,061	4,259	....	....	....	504	699
Colorado	2	....	....	1	....	....	....	....	....	....	....
Connecticut	107	111	163	222	171	180	....	....	...	38	35
Delaware	1	....	....	....	1	160	....	....	....	....	....
Dist. of Col.....	1	1	10	29	60	85	....	....	....	35	....
Florida	104	260	54	275	80	110	....	....	....	18	6
Georgia	15	11	8	24	23	18	....	....	....	....	1
Idaho	2	2	3	4	2	18	..	....	....	4	....
Illinois	5	15	26	6	158	90	....	....	....	4	....
Indiana	8	....	....	38	25	47	....	....	....	....	....
Iowa .....	....	....	4	....	1	....	....	....	....	3	....
Kansas .....	....	....	....	....	255	26	....	....	....	....	....
Kentucky	43	....	....	6	13	7	....	....	....	4	....
Louisiana	70	159	69	97	1,437	2,977	....	....	....	31	11
Maine	14	132	11	7	8	4	....	....	....	21	21
Maryland	30	40	40	75	616	452	....	....	....	4	2
Massachusetts ..	189	206	14	147	429	776	....	....	....	35	20
Michigan	18	14	9	5	106	23	....	....	....	1	1
Minnesota	1	....	....	....	7	....	....	....	....	....	....
Mississippi	8	....	6	9	....	9	....	....	....	11	18
Missouri	7	....	1	....	8	....	....	....	....	31	22
Montana .....	....	....	....	....	489	300	....	....	....	1	....
Nebraska	2	4	2	..	28	....	....	....	....	7	1
Nevada	1	4	6	12	18	2	....	....	....	....	....
New Hampshire...	115	....	....	1	1	35	....	....	....	12	7
New Jersey	6	84	88	159	2,412	3,466	....	....	....	35	31
New Mexico	32	....	....	....	105	66	....	....	....	4	....
New York	99	467	68	300	61	72	....	....	....	78	19
North Carolina..	27	26	28	36	31	27	....	....	....	2	2
North Dakota...	....	....	....	....	....	....	....	....	....	....	....
Ohio	50	21	14	10	5	3	....	....	....	2	1
Oklahoma	1	....	....	....	104	97	....	....	....	....	....
Oregon	34	34	148	101	119	101	....	....	....	7	16
Pennsylvania	396	87	64	515	923	1,701	....	....	....	25	15
Rhode Island	63	17	6	8	13	19	....	....	....	1	....
South Carolina..	48	54	16	4	21	87	....	....	....	6	4
South Dakota .....	....	1	....	....	....	....	....	....	....	....	....
Tennessee	11	1	8	....	9	19	....	....	....	....	....
Texas	544	1,424	404	2,956	11,763	15,245	....	....	....	74	53
Utah	10	12	9	20	143	92	....	....	....	3	....
Vermont	2	....	....	....	....	27	....	....	....	....	....
Virginia	620	530	27	128	132	1,437	....	....	....	73	45
Washington	44	29	32	33	322	456	....	....	....	34	20
West Virginia ..	4	2	1	2	3	3	....	....	....	....	....
Wisconsin	2	1	....	....	5	3	....	....	....	....	1
Wyoming .....	....	....	....	....	747	334	....	....	....	....	....
U. S. total....	4,490	6,832	3,723	6,439	22,950	33,000	....	....	....	1,115	1,078

¹ Preliminary.

² Not available; included in unspecified uses.

Authority: Bureau of Mines.

U. S. SALES OF DIESEL OIL, BY STATES AND USES, 1939-1949

—Continued

(Thousands of Barrels)

FOR MISCELLANEOUS USES

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	139	262	316	193	151	245	195	240	194	84	68
Arizona	309	448	326	188	180	166	156	138	103	89	130
Arkansas	243	200	281	128	120	245	109	93	73	124	20
California	5,126	4,851	4,294	3,159	2,861	6,825	8,300	4,967	2,983	1,582	2,405
Colorado	103	140	116	113	67	85	66	132	73	59	42
Connecticut	11	27	30	17	10	190	148	76	112	1	37
Delaware	18	13	8	8	16	162	3	6	6	2	1
Dist. of Col.	31	43	17	13	7	95	62	81	91	10	13
Florida	357	279	347	281	253	347	500	458	150	97	84
Georgia	178	228	146	111	97	100	111	146	86	76	69
Idaho	246	266	238	168	146	144	107	160	71	50	38
Illinois	459	517	451	339	222	284	166	222	192	138	124
Indiana	308	258	253	71	73	87	77	70	251	54	57
Iowa	47	39	45	36	32	22	56	58	63	59	53
Kansas	124	155	148	91	58	68	67	71	56	28	30
Kentucky	418	231	167	69	85	78	68	119	82	62	62
Louisiana	602	516	561	327	304	3,184	1,859	755	680	290	280
Maine	20	24	27	26	18	40	39	50	42	16	31
Maryland	201	185	124	83	54	600	335	149	98	36	29
Massachusetts ..	48	55	55	47	34	802	187	251	185	44	60
Michigan	297	238	175	119	83	113	111	111	94	69	52
Minnesota	60	87	73	56	34	30	75	63	53	51	43
Mississippi	322	290	295	183	146	144	126	166	192	98	101
Missouri	162	246	199	72	83	113	151	161	88	55	68
Montana	331	266	245	104	132	406	71	87	73	51	39
Nebraska	110	84	71	51	58	22	24	52	19	71	70
Nevada	143	143	139	122	87	101	109	70	36	46	31
New Hampshire ..	12	19	16	14	7	39	23	51	61	6	11
New Jersey	432	402	354	225	275	3,739	817	880	198	47	63
New Mexico	111	60	65	56	38	107	32	33	36	52	46
New York	470	373	505	217	316	371	323	362	168	101	93
North Carolina ..	51	84	95	90	63	97	86	59	72	51	44
North Dakota	66	94	72	57	9	24	18	22	27	21	20
Ohio	387	403	311	217	150	117	188	168	99	67	53
Oklahoma	247	194	177	112	119	160	100	77	64	46	34
Oregon	868	777	332	461	309	410	434	351	238	281	237
Pennsylvania	269	371	356	212	247	1,834	616	177	134	79	84
Rhode Island	5	10	11	9	6	25	17	38	10	2	....
South Carolina ..	124	70	75	70	72	157	143	152	96	78	48
South Dakota	21	27	25	14	13	8	22	27	19	12	11
Tennessee	154	156	240	184	229	223	234	202	119	54	33
Texas	1,120	826	795	625	383	15,692	6,538	1,755	554	195	242
Utah	212	203	207	167	139	204	144	132	50	34	20
Vermont	6	15	12	10	5	32	5	8	6	8	4
Virginia	120	196	348	78	40	1,493	940	124	112	53	76
Washington	1,202	1,063	962	662	663	907	1,002	763	421	292	292
West Virginia ..	165	250	205	138	124	97	45	50	37	21	16
Wisconsin	139	134	143	86	50	37	83	57	59	34	32
Wyoming	140	153	126	71	63	376	40	48	46	50	49
U. S. total....	16,734	15,971	14,579	9,950	8,371	40,850	25,128	14,488	8,772	4,926	5,525

¹ Preliminary.

Authority: Bureau of Mines.

Kerosine Sales Up 17 Per Cent in Postwar Period

TOTAL U. S. SALES OF KEROSENE (ALL USES), BY REGIONS AND STATES, 1937-1949

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
United States	102,661	112,487	102,703	88,090	74,976	71,214	67,815	68,690	68,996	67,662	59,767	55,570	54,548
New England	24,957	27,998	26,293	23,433	19,892	19,263	18,322	21,207	23,295	23,221	19,105	17,827	17,271
Maine	2,337	2,569	2,115	1,998	1,455	1,407	1,349	1,645	1,737	1,604	1,266	1,130	1,087
New Hampshire	1,327	1,651	1,338	1,005	851	795	821	928	942	933	819	738	757
Vermont	862	886	813	585	508	454	505	666	727	633	552	526	516
Massachusetts	13,358	14,579	14,130	13,316	11,218	10,976	10,234	11,884	13,384	13,489	10,903	10,081	9,702
Rhode Island	2,817	3,222	2,947	2,491	2,116	2,023	1,912	2,291	2,527	2,627	2,193	2,155	2,136
Connecticut	4,266	5,091	4,950	4,338	3,746	3,608	3,501	3,793	3,978	3,935	3,372	3,197	3,073
Middle Atlantic	18,952	22,607	20,203	17,972	15,427	14,724	13,768	15,300	15,995	15,615	13,320	12,689	12,464
New York	10,090	11,402	10,425	9,471	8,169	7,977	7,431	8,267	8,805	8,610	7,084	6,798	6,659
New Jersey	5,288	7,110	6,107	5,434	4,637	4,499	4,085	4,517	4,629	4,639	4,069	3,868	3,822
Pennsylvania	3,576	4,095	3,671	3,067	2,621	2,248	2,252	2,516	2,531	2,366	2,167	2,073	1,983
East North Central	14,571	14,707	13,532	11,571	9,920	8,917	8,919	8,482	7,951	8,090	7,627	6,844	6,603
Ohio	1,660	2,102	1,978	1,590	1,308	1,274	1,391	1,303	1,290	1,325	1,285	1,274	1,146
Indiana	3,718	2,650	2,223	1,898	1,693	1,540	1,509	1,662	1,580	1,558	1,378	1,302	1,265
Illinois	4,806	5,618	5,275	4,703	4,045	3,828	3,663	3,408	3,025	3,069	2,851	2,422	2,365
Michigan	2,977	2,653	2,465	1,998	1,716	1,414	1,403	1,246	1,178	1,226	1,146	994	982
Wisconsin	1,410	1,684	1,591	1,382	1,158	861	953	863	878	912	967	852	865
West North Central	7,308	8,951	8,695	7,829	6,556	6,141	5,431	5,059	4,834	4,943	4,983	4,645	4,681
Minnesota	1,198	1,404	1,367	1,238	1,088	968	908	1,029	1,016	997	927	862	853
Iowa	2,598	2,561	2,321	2,088	1,802	1,638	1,050	1,025	1,056	1,132	1,213	1,097	1,072
Missouri	1,515	2,021	1,995	1,855	1,548	1,513	1,436	1,290	1,199	1,190	1,156	1,086	1,091
North Dakota	346	455	484	432	375	324	295	284	285	288	286	250	225
South Dakota	323	482	483	442	343	312	308	311	282	304	280	267	285
Nebraska	600	881	836	749	614	580	599	456	504	454	471	452	459
Kansas	910	1,147	1,209	1,025	806	806	835	664	547	578	650	631	696
South Atlantic	16,816	15,982	14,051	9,910	8,218	7,471	7,112	7,238	6,862	6,560	5,901	5,231	5,070
Delaware	654	609	410	249	197	162	142	148	166	185	152	138	102
Maryland	1,829	2,024	1,779	1,438	1,250	1,145	1,086	1,174	1,163	1,242	1,058	990	954
District of Columbia	458	455	426	266	214	180	171	181	163	175	158	128	136
Virginia	2,418	2,008	1,768	1,323	1,105	980	865	906	871	875	771	737	759
West Virginia	371	371	374	305	224	169	179	223	234	230	217	188	198
North Carolina	4,791	3,787	3,192	1,947	1,648	1,483	1,510	1,566	1,451	1,321	1,259	1,058	1,017
South Carolina	2,193	2,064	1,594	1,181	985	860	754	658	630	624	634	566	523
Georgia	1,827	2,181	1,959	1,276	1,078	987	926	1,005	931	928	687	618	633
Florida	2,271	2,687	2,540	1,925	1,537	1,505	1,479	1,367	1,280	1,105	965	808	748
East South Central	5,675	6,098	5,535	4,464	3,750	3,468	3,135	2,541	2,377	2,286	2,221	2,107	2,195
Kentucky	1,158	1,383	1,203	993	850	754	721	734	751	630	560	551	488
Tennessee	2,068	2,019	1,851	1,446	1,292	1,204	975	693	663	644	626	616	683
Alabama	1,298	1,406	1,283	1,034	844	801	794	579	515	456	476	452	560
Mississippi	1,155	1,290	1,198	991	764	709	645	535	528	556	556	488	484

TOTAL U. S. SALES OF KEROSENE (ALL USES), BY REGIONS AND STATES, 1937-1949—Continued

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
West South Central.....	9,899	11,143	10,551	9,850	8,223	8,137	7,827	6,186	5,391	5,003	4,537	4,191	4,223
Arkansas	1,556	1,718	1,732	1,544	1,224	1,226	958	911	786	710	742	688	707
Louisiana	1,462	1,652	1,478	1,522	1,254	1,203	1,222	1,061	1,000	957	882	859	878
Oklahoma	1,717	1,790	1,639	1,557	1,237	1,187	1,070	947	935	910	795	723	789
Texas	5,164	5,983	5,712	5,227	4,508	4,521	4,377	3,267	2,667	2,426	2,118	1,921	1,849
Rocky Mountain	1,079	1,442	1,218	1,055	849	837	894	813	709	650	582	536	517
Montana	172	232	149	181	137	142	148	144	153	181	111	100	106
Idaho	53	36	61	69	60	51	46	33	32	19	25	23	26
Wyoming	234	222	61	65	59	60	162	140	41	50	39	36	36
Colorado	211	258	272	255	181	182	164	140	119	135	150	141	137
New Mexico	237	389	411	289	224	177	182	151	163	120	96	96	86
Arizona	109	264	208	143	141	181	235	220	150	97	105	88	75
Utah	27	27	35	36	31	27	35	26	25	37	41	41	39
Nevada	36	14	21	17	16	17	54	46	26	11	15	11	12
Pacific Coast	3,404	3,559	2,615	2,006	2,141	2,256	2,607	1,874	1,612	1,294	1,491	1,500	1,524
Washington	443	437	373	343	258	293	229	229	171	135	148	135	90
Oregon	299	306	185	192	182	109	160	158	136	70	69	73	64
California	2,662	2,816	2,057	1,471	1,691	1,884	2,218	1,487	1,305	1,089	1,274	1,292	1,370

¹ Preliminary.

Authority: Bureau of Mines.

U. S. SALES OF KEROSENE AS RANGE OIL, BY REGIONS AND STATES, 1937-1949

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
United States	66,244	70,629	62,482	52,105	43,540	41,017	38,221	39,945	41,661	40,715	33,641	30,805	29,512
New England	26,931	26,693	25,302	22,603	19,167	18,620	17,775	20,421	22,458	22,385	18,253	17,009	16,454
Maine	2,172	2,465	2,013	1,636	1,402	1,360	1,311	1,582	1,697	1,562	1,219	1,087	1,014
New Hampshire	778	1,616	1,305	895	785	810	884	893	967	860	781	701	703
Vermont	1,335	1,805	731	505	442	401	447	583	638	580	468	448	474
Massachusetts	12,794	13,955	13,667	12,838	10,757	10,577	9,920	11,467	12,931	13,029	10,455	9,629	9,369
Rhode Island	2,705	3,138	2,862	2,423	2,048	1,967	1,853	2,208	2,434	2,027	2,111	2,076	2,036
Connecticut ..	4,056	4,954	4,824	4,219	3,651	3,530	3,434	3,687	3,852	3,793	3,219	3,068	2,858
Middle Atlantic ..	15,639	18,364	15,982	14,057	11,893	11,347	10,163	11,135	11,617	11,256	9,195	8,746	8,505
New York	10,225	9,041	8,204	6,994	6,994	6,888	6,286	6,917	7,261	7,110	5,772	5,528	5,417
New Jersey	4,291	5,704	4,791	4,195	3,545	3,433	3,019	3,323	3,437	3,316	2,804	2,647	2,526
Pennsylvania ..	2,179	2,435	2,150	1,658	1,354	1,026	858	895	919	830	619	571	562
East North Central	6,093	6,082	5,282	4,207	3,424	3,185	3,316	2,530	2,231	2,137	1,879	1,324	1,029
Ohio	1,954	1,116	986	731	559	480	553	354	312	322	279	270	224
Indiana	1,411	1,539	1,175	399	314	260	257	198	200	179	152	107	75
Illinois	2,562	2,914	2,138	2,138	1,822	1,603	1,892	1,455	1,216	1,114	952	612	465
Michigan	632	691	570	570	429	365	352	283	282	334	288	192	141
Wisconsin	604	612	428	369	300	277	292	240	221	198	208	143	124
West North Central ..	3,094	3,400	2,900	2,393	1,924	1,734	1,752	1,451	1,417	1,313	1,123	899	807
Minnesota	543	678	576	515	381	357	312	335	307	278	207	150	111
Iowa	806	734	566	415	347	302	278	240	217	191	206	125	101
Missouri	747	825	711	660	557	561	573	471	423	380	295	263	232
North Dakota ..	166	178	168	113	97	71	70	94	95	84	56	36	28
South Dakota ..	141	201	171	138	103	77	80	94	95	102	77	74	61
Nebraska	356	453	414	335	260	226	260	154	158	150	114	97	93
Kansas	335	331	294	217	179	140	176	136	163	178	168	154	181
South Atlantic	10,657	8,938	7,614	4,703	3,736	3,320	3,098	2,955	2,607	2,417	2,155	1,642	1,616
Delaware	629	299	274	172	132	103	85	84	95	118	86	86	76
Maryland	1,227	1,286	1,034	807	691	683	660	651	490	529	490	435	439
District of Columbia ..	324	293	279	155	125	107	96	104	85	78	51	49	49
Virginia	1,530	1,010	847	526	419	273	224	191	173	198	163	170	212
West Virginia	191	86	75	61	41	36	47	59	53	39	37	41	41
North Carolina	3,082	2,264	1,930	1,075	858	739	768	775	665	573	513	329	308
South Carolina	1,183	882	704	410	320	275	230	191	170	171	162	96	65
Georgia	1,253	1,059	536	394	394	394	299	265	277	214	191	152	191
Florida	1,386	1,565	1,432	961	756	710	689	635	599	507	409	293	235
East South Central	2,356	2,167	1,617	1,013	801	654	525	302	299	273	320	268	272
Kentucky	356	436	233	197	133	121	131	70	79	60	59	34	19
Tennessee	1,137	850	697	449	386	285	163	97	102	116	113	101	116
Alabama	505	480	387	240	186	166	154	76	66	61	89	82	67
Mississippi	358	401	300	127	96	82	77	59	52	36	62	51	80

U. S. SALES OF KEROSENE AS RANGE OIL, BY REGIONS AND STATES, 1937-1949—Continued

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
West South Central.....	3,919	3,640	3,071	2,462	1,938	1,642	1,343	903	801	738	708	725	696
Arkansas	755	727	625	466	369	330	182	118	136	140	165	197	183
Louisiana	574	441	366	253	203	166	168	98	108	142	148	175	203
Oklahoma	707	816	459	381	274	224	162	135	146	148	114	111	104
Texas	1,883	1,856	1,621	1,362	1,092	922	851	552	411	306	279	242	206
Rocky Mountain	381	456	436	331	212	179	159	120	109	91	98	85	68
Montana	61	92	59	48	30	29	36	33	39	34	16	7	4
Wyoming	24	17	13	13	17	16	13	1	2	1	3	2	2
Colorado	85	105	95	62	40	28	34	10	8	4	5	4	7
New Mexico	132	209	208	142	89	73	60	32	28	26	24	22	17
Arizona	16	22	27	31	27	22	17	20	15	18	25	23	17
Utah	11	17	12	11	6	7	4	16	12	5	6	6	3
Nevada	2	3	2	2	3	3	2	2	5	9	18	20	21
Pacific Coast	365	651	278	336	445	336	90	128	122	107	112	107	65
Washington	27	106	18	48	32	29	14	22	14	107	11	11	....
Oregon	32	52	12	32	32	29	15	15	10	5	7	10	....
California	306	493	248	250	381	278	61	91	98	91	104	86	65

¹ Preliminary.

Authority: Bureau of Mines.

U. S. SALES OF KEROSENE AS TRACTOR FUEL, BY REGIONS AND STATES, 1937-1949

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
United States	4,840	6,176	8,209	7,544	6,747	6,143	5,869	5,137	4,467	4,683	4,346	3,955	4,251
New England	150	19	16	11	11	9	11	24	7	2	3	3	25
Maine	19	7	6	6	5	4	4	11	4	....	1	1	5
New Hampshire	14	2	2	2	2	1	1	8	2	....	....	....	....
Vermont	13	....	2	2	2	1	2	2	1	....	....	....	....
Massachusetts	67	4	3	....	....	....	2	1	....	....	....	....	14
Rhode Island	14	....	....	....	3	3	2	2	....	....	....	....	....
Connecticut	23	6	5	1	....	....	....	....	....	2	2	1	5
Middle Atlantic	257	404	375	255	223	265	341	418	301	300	328	300	287
New York	97	132	95	78	76	82	86	110	117	148	132	128	125
New Jersey	25	41	61	65	52	75	117	116	22	28	36	31	35
Pennsylvania	135	231	219	112	95	108	138	192	162	124	160	141	127
East North Central	1,097	1,500	2,077	1,997	1,755	1,056	1,198	886	936	1,064	1,004	940	985
Ohio	174	122	256	248	197	171	238	221	237	212	206	181	169
Indiana	176	216	275	278	256	210	245	183	197	168	124	127	136
Illinois	361	432	541	516	451	352	314	262	258	340	350	338	347
Michigan	257	388	513	513	467	188	222	115	95	136	123	117	129
Wisconsin	219	342	426	442	384	135	179	105	149	208	201	187	207
West North Central	1,197	1,591	2,257	2,263	1,992	1,809	1,296	1,241	1,141	1,383	1,389	1,366	1,546
Minnesota	123	180	240	245	237	144	192	191	193	262	244	205	264
Iowa	526	666	857	896	831	731	179	152	194	282	309	302	285
Missouri	53	66	256	213	174	170	173	170	166	157	159	136	186
North Dakota	89	132	181	193	164	164	145	158	129	168	171	167	164
South Dakota	95	151	185	192	149	150	154	141	115	143	130	124	147
Nebraska	132	168	168	173	143	124	139	132	186	180	176	156	252
Kansas	218	264	370	351	274	326	314	297	158	191	200	206	280
South Atlantic	670	878	942	511	472	414	466	527	419	392	313	282	311
Delaware	3	21	57	1	1	....	1	3	3	4	....	....	4
Maryland	19	37	55	17	9	1	24	8	9	28	25	26	27
District of Columbia	3	6	6	1	1	1	9	5	9	5	9	7	3
Virginia	35	67	93	26	19	21	22	17	11	19	9	1	15
West Virginia	3	4	4	10	11	10	16	14	13	10	3	4	8
North Carolina	280	345	293	114	109	85	91	72	76	80	94	88	75
South Carolina	58	84	73	91	79	71	64	45	31	32	34	33	32
Georgia	178	176	194	131	104	92	102	181	105	76	38	31	52
Florida	91	138	167	120	139	115	137	182	162	138	108	92	95
East South Central	456	511	650	609	573	550	485	385	311	290	313	272	253
Kentucky	66	62	100	103	112	103	101	79	59	60	48	31	28
Tennessee	145	194	232	194	178	168	117	99	78	68	79	89	96
Alabama	96	95	93	109	118	119	103	97	44	18	24	26	37
Mississippi	149	160	225	203	165	160	164	110	130	144	162	126	92

U. S. SALES OF KEROSENE AS TRACTOR FUEL, BY REGIONS AND STATES, 1937-1949—Continued

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
West South Central.....	875	1,103	1,713	1,834	1,493	1,829	1,865	1,419	1,136	972	789	577	647
Arkansas	125	148	270	263	230	248	210	194	190	150	129	80	69
Louisiana	162	224	190	238	224	202	230	193	192	101	64	35	46
Oklahoma	138	174	265	284	251	301	242	266	268	212	171	148	154
Texas	450	557	988	849	788	1,078	1,183	766	516	509	425	314	378
Rocky Mountain	148	170	177	264	204	186	186	208	187	261	201	191	194
Montana	49	45	5	70	51	49	58	50	45	97	53	52	57
Idaho	6	4	2	11	12	13	10	9	11	9	14	14	14
Wyoming	12	14	19	21	22	24	20	15	15	29	18	18	17
Colorado	68	76	100	107	60	57	49	55	54	69	75	69	73
New Mexico	7	28	44	48	51	38	43	45	53	41	28	29	25
Arizona .....	...	...	...	...	1	...	...	28	5	2	...	...	...
Utah	6	3	7	7	7	5	6	6	4	14	13	9	8
Nevada .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Pacific Coast .....	...	...	...	...	24	25	21	29	29	19	6	4	...
Washington .....	...	...	...	...	...	1	...	1	...	...	...	...	...
Oregon .....	...	...	...	...	...	2	...	8	10	6	6	4	...
California .....	...	...	...	...	24	22	21	20	19	13	...	...	...

¹ Preliminary.

Authority: Bureau of Mines.

U. S. SALES OF KEROSENE FOR USES OTHER THAN RANGE OIL AND TRACTOR FUEL, BY REGIONS AND STATES, 1937-1949

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
United States	31,577	35,682	32,012	28,441	24,689	24,054	23,725	23,608	22,868	22,264	21,580	20,810	20,785
New England	1,067	1,048	973	819	714	634	536	762	830	834	849	815	792
Maine	148	97	96	56	48	43	34	52	36	32	38	42	68
New Hampshire	78	33	21	21	11	9	10	36	34	37	38	37	54
Vermont	71	81	80	78	62	52	56	71	73	73	84	77	41
Massachusetts	497	620	560	478	433	399	312	416	453	460	448	452	319
Rhode Island	98	86	85	68	65	53	57	81	93	80	82	79	100
Connecticut	177	131	121	118	95	78	67	106	126	140	151	128	210
Middle Atlantic	3,056	3,839	3,846	3,660	3,311	3,112	3,264	3,747	4,047	4,059	3,797	3,643	3,672
New York	824	1,045	1,289	1,179	1,099	1,007	1,069	1,240	1,427	1,352	1,180	1,092	1,117
New Jersey	970	1,365	1,255	1,184	1,040	1,091	1,049	1,076	1,170	1,295	1,229	1,190	1,261
Pennsylvania	1,262	1,429	1,302	1,297	1,172	1,114	1,256	1,429	1,450	1,412	1,368	1,361	1,294
East North Central	7,391	7,125	6,173	5,367	4,741	4,676	4,405	5,066	4,784	4,889	4,744	4,580	4,586
Ohio	632	864	736	611	552	623	600	726	741	791	800	823	753
Indiana	2,401	1,895	1,473	1,221	1,123	1,070	1,007	1,261	1,183	1,211	1,102	1,068	1,054
Illinois	1,863	2,272	2,212	2,049	1,772	1,673	1,607	1,691	1,551	1,615	1,549	1,482	1,553
Michigan	1,868	1,364	1,015	915	820	861	839	848	801	756	735	685	692
Wisconsin	1,587	730	737	571	474	449	462	518	508	516	558	522	534
West North Central	3,017	3,960	3,538	3,173	2,640	2,598	2,367	2,367	2,276	2,247	2,471	2,360	2,328
Minnesota	440	546	551	478	450	467	404	503	516	457	476	457	478
Iowa	1,176	1,161	1,078	777	624	605	593	663	645	659	698	670	686
Missouri	715	1,130	1,026	982	817	782	690	669	610	653	702	687	705
North Dakota	91	145	135	126	94	89	77	55	56	66	59	47	33
South Dakota	87	127	112	91	85	82	74	78	63	59	73	69	77
Nebraska	152	296	254	241	211	230	200	170	160	144	181	159	114
Kansas	356	552	545	457	353	340	345	231	226	209	282	271	235
South Atlantic	5,489	6,166	5,495	4,696	4,010	3,737	3,548	3,746	3,836	3,751	3,433	3,307	3,143
Delaware	88	89	88	76	64	59	48	61	68	63	56	52	22
Maryland	32	89	690	614	550	443	402	515	624	685	543	529	488
District of Columbia	124	152	141	110	88	72	66	72	82	92	85	76	84
Virginia	853	931	828	771	667	666	619	698	687	658	576	560	532
West Virginia	281	281	295	234	172	123	116	150	168	191	181	147	149
North Carolina	1,359	1,178	969	758	681	659	651	719	710	678	652	641	634
South Carolina	1,952	1,098	817	680	586	514	460	422	429	425	437	437	390
Georgia	544	726	726	609	580	501	525	559	549	499	458	442	390
Florida	794	984	941	844	642	680	653	550	519	460	448	423	418
East South Central	2,863	3,420	3,268	2,842	2,376	2,264	2,125	1,854	1,767	1,723	1,568	1,567	1,670
Kentucky	885	736	693	605	530	530	489	585	533	510	456	486	441
Tennessee	784	975	922	803	728	751	695	497	483	460	424	426	461
Alabama	695	831	803	685	540	516	537	406	405	377	366	344	456
Mississippi	645	729	673	661	503	467	404	366	346	376	332	311	312

U. S. SALES OF KEROSENE FOR USES OTHER THAN RANGE OIL AND TRACTOR FUEL, BY REGIONS AND STATES, 1937-1949—Continued

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
West South Central.....	5,105	6,400	5,777	5,754	4,792	4,686	4,419	3,864	3,454	3,295	3,042	2,899	2,880
Arkansas	676	843	837	815	825	848	856	599	480	420	448	411	455
Louisiana	726	987	922	1,031	927	838	824	746	730	714	570	649	629
Oklahoma	872	1,000	915	892	712	682	666	546	524	550	510	481	531
Texas	2,831	3,570	3,103	3,016	2,628	2,521	2,343	1,949	1,740	1,611	1,414	1,365	1,265
Rocky Mountain	550	816	605	460	433	472	549	485	413	298	283	260	255
Montana	62	125	85	63	56	64	54	61	69	50	42	41	45
Idaho	23	15	44	45	41	32	33	23	19	9	18	7	8
Wyoming	168	187	24	25	27	25	29	15	18	17	16	14	17
Colorado	58	77	77	83	81	97	81	57	37	46	51	50	47
New Mexico	98	152	159	99	84	66	59	86	95	61	43	44	44
Arizona	89	242	181	112	113	159	228	185	133	90	99	82	72
Utah	10	7	16	18	18	15	15	14	16	14	10	12	10
Nevada	34	11	19	15	13	14	52	44	26	11	14	10	12
Pacific Coast	3,039	2,908	2,337	1,670	1,672	1,895	2,496	1,717	1,461	1,168	1,373	1,389	1,459
Washington	416	331	355	297	226	173	215	206	157	130	141	124	90
Oregon	267	254	173	152	160	138	145	135	116	53	62	59	64
California	2,356	2,323	1,809	1,221	1,286	1,584	2,136	1,376	1,188	985	1,170	1,206	1,305

¹ Preliminary.

Authority: Bureau of Mines.

TOTAL U. S. SALES OF RANGE OIL, BY REGIONS AND STATES, 1937-1949

(Thousands of Barrels)

Region and State	1948 ¹	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
United States	78,523	74,114	60,564	51,021	47,636	44,097	44,923	46,110	44,692	37,061	33,707	32,259
New England	25,040	26,767	23,558	20,201	19,609	18,418	20,879	23,017	23,121	18,885	17,600	16,992
Maine	2,280	2,181	1,763	1,522	1,435	1,355	1,627	1,827	1,704	1,328	1,174	1,108
New Hampshire	1,299	1,359	1,028	873	808	914	914	907	898	781	701	708
Vermont	805	731	505	452	413	452	593	638	560	468	448	480
Massachusetts	13,486	14,330	13,296	11,227	10,993	10,251	11,682	13,187	13,419	10,814	9,959	9,645
Rhode Island	3,311	3,027	2,524	2,132	2,042	1,917	2,292	2,495	2,619	2,172	2,127	2,079
Connecticut	2,811	5,139	4,442	3,995	3,918	3,608	3,771	3,963	3,921	3,322	3,191	2,972
Middle Atlantic	16,698	17,045	14,885	12,243	11,572	10,470	11,496	12,286	12,089	9,979	9,446	9,178
New York	9,590	9,471	8,546	7,122	7,013	6,494	7,128	7,711	7,613	6,255	5,951	5,817
New Jersey	6,040	5,073	4,426	3,756	3,504	3,085	3,449	3,626	3,556	3,026	2,854	2,722
Pennsylvania	2,407	2,501	1,913	1,365	1,055	891	919	949	920	698	641	639
East North Central	11,595	10,213	7,988	6,793	6,248	6,349	5,415	4,325	3,539	2,834	1,975	1,614
Ohio	1,251	1,208	852	669	562	634	472	457	398	320	290	230
Indiana	1,082	864	707	604	582	553	439	355	272	202	134	104
Illinois	5,002	4,906	3,924	3,345	3,139	3,281	2,789	2,185	1,733	1,387	977	762
Michigan	2,287	1,747	1,423	1,226	1,101	1,025	934	712	620	479	284	261
Wisconsin	1,782	1,488	1,072	949	864	856	781	616	516	446	280	257
West North Central	5,944	5,710	4,161	3,706	3,304	3,089	2,431	2,219	1,964	1,588	1,290	1,258
Minnesota	1,435	1,455	1,097	926	858	750	663	670	555	403	296	302
Iowa	1,555	1,292	1,052	1,035	964	878	674	456	335	291	204	191
Missouri	1,554	1,368	1,111	867	727	700	553	477	485	355	306	294
Nebraska	212	348	139	139	133	120	107	119	105	99	76	69
North Dakota	380	308	182	145	109	106	106	113	118	90	89	75
South Dakota	245	549	418	353	329	312	177	199	159	148	131	113
Nebraska	532	390	282	241	184	223	151	185	207	202	188	214
Kansas	496	390	282	241	184	223	151	185	207	202	188	214
South Atlantic	11,044	7,976	5,007	3,996	3,498	3,294	3,106	2,772	2,560	2,298	1,752	1,724
Delaware	299	274	172	133	104	102	85	95	119	96	86	83
Maryland	1,234	1,043	815	696	690	666	662	518	531	492	437	443
District of Columbia	325	290	165	130	109	97	104	85	78	71	51	52
Virginia	1,628	903	567	470	331	281	228	196	219	201	178	216
West Virginia	193	78	61	41	37	47	59	53	29	33	37	41
North Carolina	3,141	1,969	1,106	885	761	809	785	667	577	532	331	312
South Carolina	1,244	775	478	366	304	252	239	206	231	220	140	104
Georgia	1,190	1,136	616	471	321	290	324	324	214	167	202	202
Florida	1,662	1,508	1,027	804	735	719	654	628	542	439	325	271
East South Central	2,349	1,764	1,134	914	765	610	328	331	310	370	296	301
Kentucky	2,458	242	198	134	122	132	71	81	60	63	34	20
Tennessee	1,188	753	498	433	331	180	112	122	139	139	120	120
Alabama	530	456	299	237	214	200	81	76	75	103	91	79
Mississippi	369	313	139	110	98	98	64	52	36	65	51	82

TOTAL U. S. SALES OF RANGE OIL, BY REGIONS AND STATES, 1937-1949—Continued

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
West South Central.....	4,329	4,051	3,284	2,629	2,070	1,751	1,452	917	823	773	737	750	743
Arkansas	892	872	746	567	454	419	254	125	145	155	170	201	186
Louisiana	659	494	410	286	221	167	171	99	111	145	149	178	208
Oklahoma	814	660	484	393	284	234	162	135	151	148	114	114	112
Texas	1,964	2,025	1,644	1,383	1,111	931	865	558'	416	325	304	257	242
Rocky Mountain	685	1,121	1,077	866	653	374	307	214	203	181	172	145	129
Montana	169	293	291	249	218	49	87	59	72	50	21	10	9
Idaho	67	85	64	51	43	33	6	13	4	5	7	5	8
Wyoming	64	80	67	58	40	18	35	34	28	23	12	8	7
Colorado	187	350	328	253	195	151	81	41	43	44	51	46	38
New Mexico	146	220	241	172	110	78	69	33	23	26	30	27	20
Arizona	10	22	27	31	27	22	14	16	12	11	19	16	17
Utah	40	68	57	50	17	20	13	16	21	11	29	28	28
Nevada	2	3	2	2	3	3	2	2	....	....	3	5	2
Pacific Coast	365	651	278	336	445	515	108	137	134	155	198	453	315
Washington	27	106	18	46	32	29	14	27	14	11	38	161	100
Oregon	32	52	12	40	32	29	15	17	12	18	12	110	50
California	306	493	248	250	381	457	79	93	108	126	148	182	165

¹ Preliminary.

Authority: Bureau of Mines

U. S. SALES OF DISTILLATE FUEL OILS AS RANGE OIL (EXCLUDING KEROSENE), BY REGIONS AND STATES, 1937-1949

(Thousands of Barrels)

Region and State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
United States	12,279	13,534	11,632	8,459	7,481	6,619	5,876	4,378	4,449	3,977	3,220	2,902	2,747
New England	1,300	1,675	1,465	955	1,034	989	643	458	559	736	632	591	538
Maine	108	209	168	127	120	75	44	45	130	142	109	87	94
New Hampshire	64	57	54	46	34	25	30	30	1	4	....	....	5
Vermont	25	..	..	..	..	12	5	..	..	..	....	....	6
Massachusetts	692	843	763	458	442	416	331	215	256	390	359	330	276
Rhode Island	106	175	165	101	84	75	64	84	61	72	61	51	43
Connecticut	305	391	315	223	344	388	174	84	111	128	103	123	114
Middle Atlantic	1,059	1,224	1,063	828	423	271	338	421	669	833	784	700	673
New York	421	507	430	342	128	125	208	211	436	503	435	423	409
New Jersey	410	336	282	231	211	71	66	126	199	220	222	277	166
Pennsylvania	228	381	351	255	11	29	33	24	30	90	79	70	77
East North Central	5,880	5,513	4,931	3,781	3,369	3,063	3,033	2,885	2,094	1,402	955	651	585
Ohio	287	269	222	121	110	82	81	118	145	176	41	20	6
Indiana	568	543	389	308	290	322	296	241	155	93	50	27	29
Illinois	2,440	2,571	2,384	1,796	1,523	1,336	1,419	1,334	969	619	435	365	297
Michigan	1,435	980	876	853	797	736	673	651	430	286	191	102	120
Wisconsin	1,140	1,150	1,060	703	649	587	564	541	395	328	238	137	133
West North Central	2,850	3,426	2,810	1,768	1,782	1,570	1,337	980	802	651	465	391	451
Minnesota	892	1,147	879	582	545	501	438	328	363	277	196	146	191
Iowa	749	791	726	437	688	662	600	464	239	144	85	79	90
Missouri	722	729	657	451	310	166	127	102	54	105	60	43	62
North Dakota	46	225	180	106	42	42	47	36	54	51	43	40	41
South Dakota	104	179	137	44	42	32	26	12	29	16	13	15	14
Nebraska	176	212	135	83	93	103	52	23	41	29	34	34	20
Kansas	161	139	96	65	62	44	47	15	22	29	34	34	33
South Atlantic	397	438	362	304	260	178	195	151	165	143	143	110	108
Delaware .....	..	..	..	..	..	..	17	..	..	1	..	..	7
Maryland	7	5	..	8	5	7	6	11	28	2	2	..	4
District of Columbia	1	..	..	..	..	..	..	..	..	..	..	..	3
Virginia	98	86	56	41	51	58	57	..	..	..	15	8	4
West Virginia	2	4	3	..	..	..	..	..	..	..	..	..	..
North Carolina	59	61	39	31	27	22	41	10	..	..	..	..	..
South Carolina	61	74	71	68	46	29	22	48	36	4	19	2	4
Georgia	85	110	97	80	77	33	22	25	47	60	54	44	39
Florida	74	97	76	66	48	25	30	19	29	23	30	22	11
East South Central	89	182	147	121	113	111	85	26	32	37	50	28	29
Kentucky	2	10	9	1	1	1	1	15	2	..	7	..	1
Tennessee	51	73	56	49	47	46	17	15	20	..	26	19	14
Alabama	25	81	69	59	51	48	46	5	10	..	14	..	12
Mississippi	11	18	13	12	14	16	21	5	..	..	3	..	..

U. S. SALES OF DISTILLATE FUEL OILS AS RANGE OIL (EXCLUDING KEROSENE), BY REGIONS AND STATES, 1937-1949—Continued

Region and State	(Thousands of Barrels)										
	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
West South Central.....	410	411	213	167	132	109	109	14	22	37	31
Arkansas	137	145	121	101	85	89	92	14	9	15	5
Louisiana	85	53	44	33	18	1	3	1	3	3	1
Oklahoma	107	44	25	12	10	10	...	...	5	...	...
Texas	81	169	23	21	19	9	14	6	5	19	25
Rocky Mountain	304	665	641	535	441	195	148	94	94	90	74
Montana	108	231	232	201	183	20	51	26	33	16	5
Idaho	43	68	49	38	33	27	3	12	3	4	3
Wyoming	10	59	49	39	30	7	22	24	20	19	4
Colorado	102	245	233	188	155	123	47	9	15	24	7
New Mexico	12	11	33	30	21	5	9	13	8	8	27
Arizona .....	...	...	...	...	...	...	7	...	...	6	5
Utah	29	51	45	39	11	13	9	10	16	13	13
Nevada .....	...	...	...	...	...	...	...	...	...	...	11
Pacific Coast .....	...	...	...	...	...	...	...	...	...	...	2
Washington .....	...	...	...	...	...	179	18	9	12	48	86
Oregon .....	...	...	...	...	...	...	...	5	...	6	31
California .....	...	...	...	...	...	179	...	2	2	7	11
							18	2	10	35	44

Authority: Bureau of Mines.

¹ Preliminary.

**TOTAL U. S. SALES OF GAS OIL AND DISTILLATE FUEL OILS (EXCLUDING DIESEL OIL AND KEROSENE),^a
BY STATES, 1934-1949**

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
Alabama	999	1,076	802	720	581	633	591	375	362	232	213	181	111	77	96	88
Arizona	552	741	704	674	568	527	458	568	435	288	249	222	167	44	88	119
Arkansas	1,145	840	777	741	733	604	784	670	663	437	409	368	350	257	406	328
California	8,187	8,677	8,877	9,695	8,144	7,412	6,667	5,932	4,051	3,291	2,586	1,845	2,938	1,445	1,295	2,902
Colorado	859	1,191	1,064	957	705	618	477	374	388	353	345	295	221	139	126	111
Connecticut	8,515	9,708	7,959	6,134	2,656	5,342	5,080	5,066	5,445	5,439	4,621	4,233	4,374	3,350	1,977	1,542
Delaware	1,053	800	735	526	604	600	500	500	438	390	363	320	355	338	230	206
Dist. of Col.	1,854	2,484	2,492	1,871	1,856	1,508	1,644	1,980	1,842	1,735	1,314	1,113	1,123	1,184	1,039	690
Florida	1,551	1,740	1,574	1,376	1,149	1,055	1,138	1,134	1,134	853	757	624	653	1,392	1,364	1,190
Georgia	1,225	1,368	1,001	1,012	864	624	566	725	742	492	413	355	228	311	308	270
Idaho	1,067	1,150	676	515	376	331	285	289	167	112	63	82	77	2	5	16
Illinois	14,786	17,074	17,077	14,418	15,351	14,631	15,048	16,542	15,663	14,707	12,446	10,499	10,170	7,975	5,902	5,448
Indiana	6,430	6,316	4,965	3,189	2,524	2,394	2,292	2,480	2,227	1,924	1,670	1,340	1,404	1,307	1,251	935
Iowa	5,470	5,268	4,556	3,969	3,527	2,885	3,196	3,522	2,814	2,457	2,094	1,531	1,397	1,124	948	694
Kansas	1,394	2,229	1,318	1,219	1,172	980	931	772	716	662	584	452	401	844	849	650
Kentucky	696	887	580	547	554	545	604	575	546	384	292	230	224	203	170	129
Louisiana	837	1,032	983	942	1,165	792	1,462	905	589	586	510	551	502	981	1,269	905
Maine	2,205	2,229	2,040	1,302	1,165	856	1,001	1,120	1,341	1,308	1,088	958	871	764	685	482
Maryland	6,388	7,296	6,320	4,152	3,466	3,113	3,168	3,262	2,778	2,452	1,859	1,535	1,507	1,917	1,761	1,493
Massachusetts ..	18,178	19,441	18,041	11,892	10,499	9,326	9,700	10,521	12,664	11,984	10,141	8,634	8,716	6,889	5,808	5,012
Michigan	12,582	11,304	10,585	7,226	6,055	5,789	6,105	6,705	5,749	5,045	4,189	3,139	3,369	2,622	2,241	1,792
Minnesota	8,788	9,082	8,344	6,445	5,158	4,852	5,385	6,104	5,751	5,621	4,693	3,774	3,736	2,929	1,808	1,569
Mississippi	334	342	292	420	343	329	289	263	263	240	185	153	171	95	79	52
Missouri	4,923	6,105	5,732	5,326	4,369	3,898	4,317	4,940	5,385	5,004	4,343	3,857	3,920	3,164	2,396	1,724
Montana	778	989	941	842	710	354	363	319	324	226	189	157	125	160	184	180
Nebraska	2,367	2,826	2,508	2,173	2,028	2,087	1,731	1,832	1,918	1,841	1,594	1,256	1,201	949	729	629
Nevada	606	721	616	523	545	544	373	505	330	242	186	116	67	19	22	102
New Hampshire ..	1,735	1,387	1,308	946	850	755	890	1,152	1,325	1,304	1,040	945	1,000	857	761	632
New Jersey	23,628	25,021	21,479	18,315	18,224	16,285	14,187	13,800	12,667	12,377	10,485	8,941	8,824	6,916	6,281	5,700
New Mexico	182	241	344	231	176	178	140	142	108	93	114	88	62	116	134	97
New York	39,717	40,376	36,267	31,784	27,776	25,704	27,330	27,870	28,631	27,710	23,587	19,474	19,073	16,769	11,927	10,655
North Carolina ..	2,101	1,999	1,578	1,363	1,008	747	792	721	589	596	546	409	384	294	175	163
North Dakota	1,218	937	805	707	519	372	447	580	567	552	494	345	297	175	216	166
Ohio	6,783	7,952	5,747	3,885	3,480	3,109	3,025	2,796	2,357	1,833	1,588	1,438	1,236	1,076	1,104	975
Oklahoma	529	403	286	218	202	252	373	261	228	233	206	233	309	1,169	1,363	923

**TOTAL U. S. SALES OF GAS OIL AND DISTILLATE FUEL OILS (EXCLUDING DIESEL OIL AND KEROSENE),¹
BY STATES, 1934-1949—Continued**

	(Thousands of Barrels)															
State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
Alaska	4,592	4,701	3,921	3,027	2,221	2,114	1,993	1,874	1,549	1,504	1,198	1,116	612	561	187	250
Alabama	16,944	18,769	17,462	12,482	10,087	10,401	9,116	7,869	7,672	7,353	6,138	5,360	5,424	5,391	4,700	4,458
Arizona	3,269	3,356	3,345	3,061	3,010	2,392	2,332	2,598	2,658	2,567	2,149	1,844	1,722	1,641	1,610	1,563
Arkansas	1,624	1,883	1,773	621	445	364	368	389	312	335	281	229	229	155	119	80
California	1,121	1,067	946	730	531	476	509	608	598	619	591	460	363	344	263	206
Colorado	853	959	885	786	695	666	555	344	372	294	268	246	277	127	126	102
Connecticut	2,839	3,109	2,206	3,080	3,802	5,494	10,578	2,379	1,191	651	630	540	757	4,514	5,529	4,444
Delaware	590	772	650	465	280	240	230	207	115	123	107	95	63	23	24	24
District of Columbia	981	789	751	671	606	529	501	594	663	603	498	427	485	383	222	102
Florida	3,265	3,448	3,040	2,299	1,833	1,644	1,539	1,670	1,429	1,285	1,115	843	870	852	553	372
Georgia	8,489	8,506	7,372	5,964	4,568	4,231	4,071	3,373	2,690	2,258	1,865	1,690	1,093	929	132	616
Idaho	270	221	176	152	161	175	276	158	182	134	101	77	83	138	156	92
Illinois	6,924	7,246	7,012	5,530	4,605	4,611	5,097	5,542	5,285	5,080	4,178	3,293	3,105	2,339	1,473	993
Indiana	608	748	375	352	320	265	214	223	175	174	139	134	94	115	138	120
Iowa	241,277	256,468	228,157	185,487	165,213	153,642	158,585	153,160	145,988	135,983	114,703	96,237	94,740	85,286	70,215	61,991

¹ Preliminary.

² For kerosene and diesel oil, see tables "Total U. S. sales of kerosene" and "Total U. S. sales of diesel oil."

Authority: Bureau of Mines

Sale of Distillate Fuels Doubles in 10 Years

TOTAL U. S. SALES OF GAS OIL AND DISTILLATE FUEL OILS (INCLUDING DIESEL OIL),³ BY STATES 1934-1949

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
Alabama	2,340	2,493	1,937	1,473	1,255	1,375	1,286	991	800	476	407	324	208	143	113	91
Arizona	1,021	1,342	1,173	1,128	961	1,078	1,174	774	656	433	551	412	390	349	225	17
Arkansas	2,162	1,733	1,368	1,134	1,134	1,152	1,092	884	810	640	477	574	551	361	475	37
California	21,232	22,573	20,481	17,840	16,753	18,032	17,552	12,820	11,029	12,118	12,753	11,771	15,083	11,554	10,700	10,566
Colorado	1,683	1,976	1,724	1,517	1,171	1,015	741	646	548	464	420	354	265	165	143	11
Connecticut	9,510	10,487	8,635	6,784	6,210	5,789	5,452	5,279	5,529	5,556	4,727	4,310	4,406	3,373	1,933	1,566
Delaware	1,013	866	783	570	512	803	650	516	457	404	367	326	366	358	238	20
Dist. of Col.	2,246	2,789	2,733	2,039	1,863	1,786	1,907	2,203	2,079	1,849	1,366	1,140	1,130	1,196	1,047	69
Florida	3,824	4,068	3,760	3,271	2,658	2,405	2,639	2,447	1,971	1,392	1,219	1,149	1,052	1,545	1,472	1,23
Georgia	2,604	2,593	1,956	1,564	1,298	959	900	1,043	1,016	690	581	484	349	371	331	28
Idaho	1,562	1,570	1,034	787	597	569	433	519	293	186	118	163	147	42	30	2
Illinois	19,582	21,622	20,906	16,635	17,174	16,056	16,177	17,641	16,530	15,341	12,921	10,957	10,594	8,158	6,044	5,53
Indiana	8,080	8,429	6,153	3,830	3,086	2,927	2,804	2,958	2,757	2,134	2,011	1,627	1,522	1,359	1,288	96
Iowa	7,610	7,435	6,099	5,149	4,633	3,528	3,758	4,039	3,197	2,749	2,316	1,758	1,564	1,205	1,009	75
Kansas	3,185	4,094	2,881	2,282	2,115	1,615	1,539	1,299	1,021	859	749	666	531	930	922	70
Kentucky	1,956	1,980	1,586	1,158	1,172	1,067	1,051	1,031	786	558	437	337	379	226	173	13
Louisiana	4,021	4,268	3,274	2,762	3,825	4,961	4,408	2,555	2,154	1,637	1,493	1,335	1,067	1,453	1,609	1,24
Maine	2,576	2,638	2,266	1,440	1,149	1,012	1,062	1,190	1,361	1,301	1,130	981	892	775	691	48
Maryland	7,691	8,442	7,551	5,271	4,376	4,026	3,795	3,628	3,221	2,799	2,139	1,810	1,752	2,070	1,879	1,58
Massachusetts ..	19,741	20,919	19,250	12,865	11,640	10,460	10,190	10,976	13,087	12,299	10,466	9,098	8,912	7,041	5,933	5,15
Michigan	14,562	13,713	12,277	8,542	7,337	6,535	6,799	7,385	6,369	5,533	4,410	3,256	3,423	2,655	2,245	176
Minnesota	10,094	10,229	9,327	7,120	5,658	5,290	5,867	6,543	6,034	5,801	4,858	3,894	3,034	3,014	1,848	1,66
Mississippi	1,010	1,002	912	777	631	627	581	541	538	403	352	276	280	323	97	6
Missouri	6,822	8,110	7,072	6,362	5,364	4,900	4,814	5,499	5,431	5,323	4,605	4,073	4,053	3,216	2,447	1,76
Montana	1,965	1,810	1,660	1,381	1,745	989	532	502	477	340	272	211	200	182	201	16
Nebraska	3,396	3,744	3,340	2,716	2,578	2,561	2,010	2,155	2,117	2,097	1,802	1,455	1,302	1,012	773	64
Nevada	1,742	1,363	1,066	776	715	715	592	635	476	345	245	268	149	100	183	14
New Hampshire ..	1,845	1,367	1,367	1,001	879	823	938	1,239	1,431	1,382	1,126	962	1,019	871	775	64
New Jersey	26,593	28,783	26,111	22,201	25,564	25,533	19,017	17,635	15,932	14,725	12,390	10,640	10,177	7,691	6,926	6,14
New Mexico	715	653	708	570	563	522	403	227	198	191	191	157	90	135	149	14
New York	45,252	45,902	38,888	33,376	29,954	27,770	29,458	28,880	29,454	28,621	24,412	19,958	19,502	17,154	12,267	10,91
North Carolina ..	3,491	3,220	2,552	2,177	1,864	1,252	1,227	1,119	965	829	721	515	481	251	205	14
North Dakota	1,616	1,312	1,087	916	662	482	550	335	637	604	532	372	337	201	218	14
Ohio	9,442	10,120	7,479	5,054	4,414	3,586	3,543	3,247	2,658	2,059	1,739	1,562	1,360	1,169	1,156	1,04
Oklahoma	1,929	1,571	1,084	701	676	662	666	476	390	352	287	306	367	1,185	1,374	94

TOTAL U. S. SALES OF GAS OIL AND DISTILLATE FUEL OILS (INCLUDING DIESEL OIL),¹ BY STATES: 1934-1949—Continued

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
Oregon	6,343	6,181	5,720	4,592	3,219	2,927	2,850	2,541	2,043	1,965	1,906	1,414	1,073	951	686	574
Pennsylvania ...	20,349	22,198	19,916	14,781	12,618	12,925	10,225	8,432	8,379	7,994	6,727	5,861	5,904	6,020	5,278	5,043
Rhode Island ...	3,408	3,413	3,369	3,097	3,049	2,440	2,377	2,659	2,694	2,593	2,159	1,855	1,733	1,667	1,624	1,561
South Carolina ..	1,630	1,662	1,427	1,144	917	924	824	663	595	479	375	292	262	188	144	91
South Dakota ...	1,510	1,434	1,338	909	691	618	648	737	695	666	631	501	413	384	269	201
Tennessee	2,125	2,143	2,018	1,559	1,331	1,168	1,095	800	618	410	358	316	312	165	149	121
Texas	9,238	10,120	8,035	10,686	19,724	23,551	18,595	6,422	3,304	2,638	2,635	1,848	2,103	5,401	6,370	5,273
Utah	1,474	1,448	1,223	839	703	571	487	424	216	187	141	148	104	50	44	38
Vermont	1,054	875	816	699	629	575	523	607	677	617	511	454	495	388	224	101
Virginia	5,380	5,319	4,539	3,146	2,612	3,535	2,966	2,157	1,857	1,744	1,494	1,119	1,056	1,034	721	541
Washington	11,215	11,005	9,602	7,695	6,586	5,933	5,654	4,598	3,717	3,098	2,654	2,468	1,962	2,069	1,878	1,561
West Virginia ...	554	585	475	374	338	314	351	300	275	186	125	89	114	150	168	91
Wisconsin	8,279	8,609	8,203	6,106	5,074	4,986	5,572	5,885	5,543	5,270	4,330	3,351	3,231	2,452	1,521	1,022
Wyoming	1,804	1,600	643	537	1,231	744	308	317	258	255	220	236	121	133	144	121
U. S. total.....	329,196	341,973	298,014	239,550	231,625	223,872	207,712	186,813	173,339	160,652	138,570	117,441	116,644	102,515	86,389	74,711

¹ Preliminary.

² Does not include kerosene. For kerosene, see table "Total U. S. sales of kerosene."

Authority: Bureau of Mines.

TOTAL U. S. SALES OF RESIDUAL FUEL OILS (ALL USES), BY STATES, 1934-1949

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939 ²	1938	1937	1936	1935	1934
Alabama	1,891	2,296	3,294	3,180	3,130	2,467	2,463	2,322	1,980	1,500	1,720	1,799	1,681	1,402	1,181	1,07
Arizona	1,087	1,841	3,491	2,618	2,706	2,905	4,117	3,947	3,775	3,260	1,669	2,426	3,604	2,416	2,820	55
Arkansas	1,832	2,079	2,282	2,330	2,320	3,092	3,212	2,610	2,317	1,917	1,679	1,482	2,107	2,535	2,079	1,97
California	76,632	78,468	90,074	90,621	128,128	115,056	117,809	86,267	65,549	50,081	57,037	47,545	55,869	54,341	55,827	53,23
Colorado	783	886	1,218	1,237	1,262	1,439	1,404	1,147	922	627	460	282	379	416	321	28
Connecticut	14,515	10,066	8,838	7,111	4,934	4,347	4,114	5,076	5,721	5,013	4,337	3,172	3,416	3,674	3,749	3,28
Delaware	1,921	1,043	1,139	1,044	1,173	879	1,334	1,298	1,346	1,313	1,229	1,074	1,300	977	676	68
Dist. of Col.	1,427	855	1,935	1,073	866	759	952	1,114	1,380	1,135	1,159	1,047	978	715	462	48
Florida	15,671	16,132	15,519	14,085	14,957	14,221	10,762	9,740	10,474	9,119	8,619	7,722	7,768	6,742	5,915	6,07
Georgia	4,227	3,375	2,933	2,924	2,821	2,807	2,501	1,808	1,942	1,727	1,707	1,538	1,438	1,573	1,166	98
Idaho	480	456	460	490	557	580	603	561	457	379	365	257	373	181	110	18
Illinois	14,987	15,157	16,940	15,017	14,960	15,406	14,606	12,956	12,359	10,776	9,640	8,973	10,329	10,183	8,993	7,67
Indiana	17,278	13,422	12,321	11,727	12,017	11,706	9,182	9,170	9,986	7,807	6,866	6,197	6,383	6,091	5,767	5,27
Iowa	1,176	9,472	7,777	1,029	10,477	913	985	685	801	700	653	569	697	683	569	5,27
Kansas	7,484	9,576	11,115	9,854	10,477	10,362	10,977	7,644	8,235	7,252	6,856	6,021	6,883	6,834	6,472	5,98
Kentucky	1,117	1,303	824	1,005	886	1,021	1,211	1,123	911	782	673	503	594	573	642	61
Louisiana	10,774	14,534	12,760	12,730	12,926	13,002	12,407	10,972	14,615	9,676	9,825	9,526	11,283	10,161	8,872	7,38
Maine	2,743	2,342	2,499	2,258	2,778	2,961	1,754	2,141	2,432	1,879	1,815	1,169	1,598	1,553	1,065	1,06
Maryland	13,521	13,276	17,119	14,504	12,869	15,987	10,854	9,693	10,215	9,391	8,079	7,193	7,797	6,353	5,336	5,41
Massachusetts ..	23,476	19,078	16,971	14,711	14,508	16,588	12,543	14,727	16,909	14,369	13,932	12,264	12,886	11,788	11,254	9,28
Michigan	11,002	11,051	7,046	5,760	6,482	6,506	7,166	7,532	7,212	6,434	5,709	4,972	6,424	6,345	6,389	5,88
Minnesota	1,487	1,314	1,022	1,089	1,104	1,219	1,170	1,194	1,275	1,138	1,051	1,080	1,281	1,079	1,138	1,11
Mississippi	272	319	306	280	494	600	462	271	461	211	279	253	536	470	379	20
Missouri	5,080	6,364	6,658	4,940	5,738	5,816	6,493	5,509	5,377	4,947	4,734	4,429	4,927	4,389	4,136	3,67
Montana	3,680	4,935	5,444	6,273	6,253	5,460	3,803	3,392	2,742	1,736	1,675	1,240	1,602	1,470	1,475	1,10
Nebraska	421	329	378	491	581	556	648	628	649	624	681	527	653	731	542	50
Nevada	1,514	4,372	5,957	5,823	6,626	7,507	6,940	4,242	3,810	3,073	2,864	2,422	2,641	2,691	1,999	5,57
New Hampshire ..	1,175	909	959	768	536	701	433	814	1,134	771	686	469	494	492	401	20
New Jersey	37,972	33,661	48,080	42,800	49,253	56,143	36,111	30,337	31,971	34,429	35,697	32,222	34,055	33,767	25,828	24,58
New Mexico	454	674	820	1,093	1,167	746	586	546	467	419	366	345	471	580	686	60
New York	49,185	45,371	32,907	30,380	27,105	25,635	27,207	25,248	27,326	25,784	23,742	23,442	23,926	25,061	23,820	19,38
North Carolina ..	560	461	633	643	504	384	500	522	439	283	209	184	130	253	197	10
North Dakota	358	447	414	571	623	104	93	42	40	43	62	70	81	63	51	70
Ohio	16,269	16,082	16,524	13,506	11,527	10,815	10,008	9,111	8,312	7,025	6,422	5,543	6,670	6,004	4,670	4,38
Oklahoma	6,286	7,437	8,027	7,956	8,083	9,545	9,472	8,590	8,744	8,043	7,825	7,963	8,716	8,276	8,207	8,89
Oregon	12,845	14,892	15,482	14,649	17,205	15,638	15,958	13,036	10,519	9,079	7,146	7,894	9,806	8,967	7,087	5,58
Pennsylvania	35,384	37,240	35,093	35,148	32,529	24,513	22,817	23,078	23,078	20,794	20,558	20,332	20,416	20,078	18,174	16,88
Rhode Island	8,508	7,904	7,074	5,576	4,155	3,995	3,157	5,176	6,900	6,246	5,734	4,984	5,550	5,227	4,967	4,48
South Carolina ...	2,610	2,496	2,349	2,112	780	1,029	670	989	403	774	734	465	417	403	365	4,48
South Dakota	262	288	257	306	241	226	212	167	214	225	260	276	200	152	205	10

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TOTAL U. S. SALES OF RESIDUAL FUEL OILS (ALL USES), BY STATES, 1934-1949—Continued

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
Tennessee	919	890	1,015	813	1,550	1,580	1,082	748	644	635	337	241	281	222	179	380
Texas	49,840	62,615	66,019	65,749	80,961	78,510	74,997	56,487	47,753	39,386	39,377	35,824	41,128	36,440	33,012	33,092
Utah	3,439	1,585	1,486	1,324	1,396	1,202	887	571	478	415	344	323	404	354	216	220
Vermont	280	1,258	262	203	142	107	110	206	224	186	164	105	71	70	169	248
Virginia	12,199	10,590	11,298	6,402	5,943	6,643	4,584	2,231	2,605	3,048	3,045	3,705	2,562	2,386	1,854	1,255
Washington	12,043	13,304	14,149	12,836	13,615	12,896	12,991	11,431	8,482	6,561	6,539	6,773	9,390	7,262	7,098	6,924
West Virginia ..	1,263	1,171	828	482	888	980	1,244	983	986	942	921	813	893	690	751	476
Wisconsin	1,514	1,497	1,358	1,610	1,671	1,806	1,667	1,612	1,801	1,615	1,463	1,397	1,592	1,570	1,471	1,395
Wyoming	2,846	3,758	3,637	4,187	4,688	5,323	2,401	2,228	1,947	1,750	1,633	1,418	1,678	1,416	1,274	1,142
U. S. total.....	496,915	503,581	517,546	483,363	538,636	525,969	479,326	402,839	378,653	325,119	318,373	290,409	325,159	305,894	279,596	255,601

¹ Preliminary.

² Prior to 1940, crude oil and navy-grade fuel included with residual fuel oil.

Authority: Bureau of Mines.

Decline in Residual Fuel-Oil Sales to Railroads Reflects Dieselization

U. S. SALES OF RESIDUAL FUEL OILS, BY STATES AND USES, 1939-1949

(Thousands of Barrels)

FOR USE BY RAILROADS

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	50	62	65	155	167	194	71	54	62	64	54
Arizona	536	670	1,335	1,473	1,638	1,690	2,721	2,838	2,566	1,980	856
Arkansas	1,268	1,996	2,060	2,133	1,991	2,481	2,882	2,180	1,883	1,308	1,234
California	13,300	18,655	21,681	24,553	28,872	26,565	27,040	27,066	21,261	16,403	17,491
Colorado	224	447	500	699	679	738	625	561	437	303	224
Connecticut ...	27	116	126	102	88	96	95	100	106	102	82
Delaware .....	...	...	...	2	3	3	4	3	19	16	16
Dist. of Col....	1	...	...	...	...	1	...	...	...	...	...
Florida	543	940	1,011	974	1,076	1,001	1,110	874	914	886	877
Georgia	21	14	19	20	7	11	7	9	19	13	9
Idaho	136	276	300	310	376	363	349	317	337	307	296
Illinois	399	617	215	316	398	502	598	315	304	285	274
Indiana	103	59	60	87	95	71	37	23	13	17	16
Iowa	614	410	428	424	318	382	411	141	107	108	93
Kansas	4,627	7,410	7,978	7,317	7,697	7,613	8,014	5,306	5,042	4,041	3,798
Kentucky	36	56	60	86	96	99	99	86	45	36	34
Louisiana	1,389	2,954	3,142	3,334	3,677	4,047	4,402	3,708	3,690	3,216	3,134
Maine .....	...	...	...	...	...	...	10	...	...	...	...
Maryland	59	56	76	36	33	36	41	54	58	50	49
Massachusetts .	95	112	92	100	14	1	...	...	...	...	...
Michigan	154	204	135	49	54	63	71	57	60	55	43
Minnesota	177	160	160	166	144	196	171	117	102	117	96
Mississippi	75	83	85	107	105	114	127	106	149	111	108
Missouri	1,191	1,798	1,671	1,522	1,744	2,088	2,521	2,113	2,001	1,720	1,654
Montana	3,297	4,640	5,100	5,419	5,271	4,330	3,541	3,171	2,491	1,448	1,379
Nebraska	70	118	120	133	177	76	113	100	155	113	123
Nevada	1,272	4,074	5,547	5,430	6,154	6,922	6,216	5,136	3,564	2,916	2,696
New Hampshire..	5	2	...	...	...	...	...	...	...	...	...
New Jersey	152	150	204	256	257	393	498	313	308	198	159
New Mexico	339	494	550	896	967	596	459	381	306	259	216
New York	209	198	167	256	229	214	156	197	298	311	314
North Carolina .	7	14	24	8	...	2	6	...	10	9	5
North Dakota ..	325	418	397	551	602	89	76	20	15	13	10
Ohio	20	59	36	57	66	66	53	43	46	34	28
Oklahoma	3,548	5,173	5,500	5,600	5,679	6,230	7,330	6,489	6,216	5,671	5,495
Oregon	5,170	7,440	8,201	7,722	8,800	8,798	8,857	7,581	6,394	4,853	3,170
Pennsylvania ...	136	220	242	183	157	153	120	130	154	85	71
Rhode Island ...	35	25	...	...	9	9	9	10	10	11	...
South Carolina .	2	7	8	7	...	...	...	...	...	...	...
South Dakota ..	95	113	135	146	155	154	155	79	107	98	90
Tennessee	177	183	270	319	350	400	317	240	282	217	203
Texas	17,978	23,674	24,599	25,010	29,743	32,883	32,061	26,158	17,954	15,003	14,118
Utah	1,922	341	382	435	467	532	614	319	277	264	212
Vermont .....	...	...	...	...	...	...	...	...	6	...	...
Virginia	261	299	226	116	58	70	50	29	24	27	22
Washington	1,474	2,071	2,115	1,789	1,741	1,971	2,250	1,942	1,420	1,070	1,095
West Virginia .	2	2	1	6	9	9	7	11	58	52	43
Wisconsin	108	81	25	40	51	53	57	10	34	34	26
Wyoming	1,838	2,697	2,452	1,961	2,083	2,230	1,927	1,609	1,261	1,080	1,064
U. S. total....	63,467	89,588	97,500	100,305	112,297	114,535	116,278	99,996	80,565	64,904	60,977

¹ Preliminary.

Authority: Bureau of Mines.

U. S. Sales of Residual Fuel Oil for Marine Use Trend Downward

U. S. SALES OF RESIDUAL FUEL OILS, BY STATES AND USES, 1939-1949—Continued

(Thousands of Barrels)

FOR USE BY VESSELS (INCLUDING TANKERS)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	881	1,322	2,291	2,068	2,038	1,231	1,427	1,595	1,291	1,117	1,388
Arizona .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arkansas	113	.....	.....	.....	.....	.....	.....	14	86	.....	22
California	15,349	15,305	18,319	14,461	26,607	21,455	13,863	7,112	12,932	16,225	16,719
Colorado .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Connecticut	25	11	12	2	31	5	11	106	135	136	76
Delaware	489	18	6	11	5	10	.....	3	16	26	20
Dist. of Col.	5	6	6	6	7	13	17	13	14	14	113
Florida	787	545	823	666	768	835	745	699	1,768	1,709	2,034
Georgia	352	290	179	655	611	825	534	44	152	222	1,351
Idaho .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois	103	113	38	39	72	91	128	168	200	133	176
Indiana	109	90	94	89	316	314	301	322	219	137	77
Iowa .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kansas .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kentucky	70	49	41	37	61	75	43	68	124	86	108
Louisiana	11,616	13,981	9,355	7,261	2,395	4,045	2,935	2,687	4,314	4,174	3,843
Maine	47	24	25	167	322	569	529	117	120	21	15
Maryland	4,564	5,225	7,912	6,510	5,219	4,787	3,316	2,186	3,244	3,276	2,596
Massachusetts ..	984	825	803	1,574	3,372	3,552	1,695	663	1,664	1,448	1,442
Michigan	154	143	92	26	39	53	40	67	68	74	118
Minnesota	30	34	.....	.....	.....	4	9	.....	.....	.....	.....
Mississippi	127	169	146	4	45	8	10	3	.....	9	6
Missouri	123	79	98	73	46	231	206	12	11	118	94
Montana .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nebraska .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nevada .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Hampshire ..	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
New Jersey	4,227	5,774	16,729	18,226	24,721	29,247	14,743	8,449	8,845	12,077	13,530
New Mexico .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	14,428	14,202	4,330	2,871	3,055	4,260	5,488	2,169	2,235	3,300	4,206
North Carolina ..	30	26	26	83	253	219	26	4	6	6	21
North Dakota .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ohio	141	112	108	79	81	92	72	94	65	93	82
Oklahoma .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oregon	1,030	717	1,490	746	1,832	1,164	1,439	249	249	284	153
Pennsylvania	3,966	3,782	1,515	3,608	3,337	3,662	1,462	558	1,621	1,785	2,274
Rhode Island	123	102	42	70	25	42	32	78	194	211	146
South Carolina ..	763	1,110	1,179	943	21	275	101	48	157	126	98
South Dakota	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tennessee	351	303	321	218	528	575	356	230	226	216	49
Texas	22,501	24,446	26,137	21,254	17,019	6,998	6,846	8,222	14,410	12,187	12,630
Utah	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Virginia	4,641	5,695	7,742	4,797	4,685	4,679	3,026	1,108	1,537	1,549	1,674
Washington	1,207	1,235	2,015	1,588	2,801	2,703	2,754	720	770	794	1,083
West Virginia ..	3	30	25	52	72	45	34	6	3	.....	1
Wisconsin	1	.....	1	1	1	5	8	3	1	1	1
Wyoming .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
U. S. total	89,362	95,763	101,900	88,185	100,365	92,069	62,196	37,817	56,678	61,554	65,146

¹ Preliminary. 1949 figures include 2,718,000 bbl of diesel fuel which was not reported separately in prior years.

Authority: Bureau of Mines.

Residual Fuel-Oil Sales to Utilities Show 130 Per Cent Increase in 5 Years

U. S. SALES OF RESIDUAL FUEL OILS, BY STATES AND USES, 1939-1949—Continued

(Thousands of Barrels)

FOR USE BY GAS AND ELECTRIC POWER PLANTS

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	2	1	....	13	16	16	19	9	182	34	29
Arizona	97	163	829	283	147	185	298	323	431	464	139
Arkansas	1	6	7	16	25	26	51	30	10	....	2
California	13,930	12,167	15,804	10,177	2,900	3,225	5,980	3,539	965	550	405
Colorado	75	55	63	48	42	41	79	41	46	56	37
Connecticut	4,450	2,078	2,327	2,554	1,373	1,548	746	1,134	1,901	1,640	1,545
Delaware	13	23	19	10	10	11	....	1	....	....	10
Dist. of Col.....	360	41	60	123	119	59	42	115	393	310	287
Florida	9,132	7,664	7,630	6,626	6,655	6,389	5,034	4,356	4,674	3,876	3,407
Georgia	706	561	675	499	443	460	411	380	588	389	383
Idaho	7	....	....	....	....	....	....	2	3	3	2
Illinois	707	223	195	449	123	148	152	147	168	111	103
Indiana	49	68	220	225	269	284	134	122	105	125	106
Iowa	102	46	82	319	266	179	105	128	217	152	144
Kansas	497	639	991	340	318	239	401	135	168	177	108
Kentucky	15	....	4	6	3	3	5	2	....	....	....
Louisiana	105	95	108	179	249	230	203	216	175	140	63
Maine	830	805	771	545	276	434	237	587	878	302	261
Maryland	1,876	1,506	1,576	1,374	765	796	839	639	702	590	402
Massachusetts ..	7,890	2,490	2,510	2,458	1,650	1,859	1,331	1,538	2,840	1,521	2,383
Michigan	278	378	162	208	149	147	258	208	169	149	81
Minnesota	125	91	105	210	153	112	80	73	84	69	58
Mississippi	1	....	6	15	26	16	20	36	54	7	11
Missouri	408	400	675	193	214	126	341	152	127	78	63
Montana	5	1	9	....	....	....	....	....	....	....	....
Nebraska	72	71	74	166	162	125	76	61	76	101	154
Nevada .....	....	....	....	30	24	18	15	16	15	37	14
New Hampshire..	452	350	135	145	87	357	72	210	400	275	258
New Jersey	10,006	5,572	6,500	5,415	3,216	3,311	2,697	2,512	4,338	5,298	6,229
New Mexico	60	61	65	84	80	58	30	25	33	42	29
New York	14,683	10,394	8,865	8,045	5,997	5,522	4,949	4,963	6,654	5,324	4,831
North Carolina ..	85	55	60	18	....	....	3	2	1	....	....
North Dakota ..	....	....	3	....	....	12	10	12	10	18	20
Ohio	384	217	132	121	48	57	51	49	35	52	42
Oklahoma	157	28	30	218	298	269	190	169	173	165	145
Oregon	3,209	2,929	1,894	1,670	2,103	1,916	1,823	1,601	1,147	1,216	1,185
Pennsylvania	4,443	2,994	3,782	3,430	3,033	2,620	1,520	1,619	1,851	1,598	1,765
Rhode Island	2,265	2,158	2,115	2,155	1,200	1,408	519	983	2,237	1,948	1,938
South Carolina ..	306	272	121	79	58	62	55	45	45	40	35
South Dakota ..	32	30	38	80	45	40	35	30	56	85	100
Tennessee	13	20	20	2	108	108	57	41	19	108	34
Texas	143	355	320	445	375	475	460	224	235	219	244
Utah	7	....	7	....	....	....	....	....	5	4	8
Vermont	71	84	102	44	19	19	....	24	24	8	4
Virginia	412	290	460	258	157	157	117	158	221	103	129
Washington	1,546	1,362	1,298	1,107	878	937	1,098	1,223	890	614	554
West Virginia ..	....	....	2	1	....	....	....	....	....	....	....
Wisconsin	78	89	90	519	437	427	305	210	269	225	170
Wyoming	14	....	30	12	16	15	9	10	8	11	9
U. S. total....	80,092	56,812	60,964	50,921	34,532	34,476	30,858	28,101	33,622	28,234	27,908

¹ Preliminary.

Authority: Bureau of Mines

Heavy Industry Continues Largest Purchaser of Residual Fuel Oil

U. S. SALES OF RESIDUAL FUEL OILS, BY STATES AND USES, 1939-1949—Continued

(Thousands of Barrels)

FOR USE BY SMELTERS, MINES, AND MANUFACTURING INDUSTRIES

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	823	785	871	821	716	713	620	307	285	147	122
Arizona	428	881	1,253	819	904	957	993	703	725	759	641
Arkansas	183	44	33	77	136	170	60	147	52	66	79
California	9,715	9,526	10,100	9,760	7,987	7,970	7,793	8,559	6,562	5,947	5,516
Colorado	329	292	493	374	407	585	558	397	305	147	36
Connecticut ..	5,444	3,618	3,994	2,515	1,614	1,314	1,874	1,986	1,758	1,469	1,290
Delaware	1,094	806	907	837	966	707	1,074	1,098	1,199	1,145	1,079
Dist. of Col....	278	189	162	144	71	84	102	217	252	114	44
Florida	4,159	5,170	4,024	4,093	3,962	3,504	2,207	2,347	2,135	1,807	1,617
Georgia	2,274	2,111	1,779	1,374	1,296	1,108	1,174	1,117	917	827	742
Idaho	186	168	157	133	136	127	153	127	87	58	47
Illinois	4,914	4,826	6,369	5,022	5,732	5,810	4,965	4,009	3,715	3,230	2,733
Indiana	7,519	8,022	7,115	6,691	6,934	6,818	4,974	4,601	4,380	3,517	3,078
Iowa	200	151	116	111	134	186	101	83	51	36	38
Kansas	250	152	328	285	282	360	414	278	289	236	204
Kentucky	799	746	329	434	245	335	405	292	220	135	104
Louisiana	392	140	144	173	223	229	350	382	421	396	502
Maine	1,497	1,329	1,831	1,325	912	873	718	1,162	1,138	1,013	955
Maryland	4,610	4,081	5,293	4,383	4,463	4,162	3,938	4,184	3,932	3,367	2,809
Massachusetts..	6,648	5,750	5,393	5,021	4,119	3,988	4,480	5,977	6,028	5,359	4,914
Michigan	7,911	7,574	3,464	2,433	3,366	3,604	4,409	4,329	4,179	3,736	3,308
Minnesota	662	616	390	337	354	513	355	380	310	259	308
Mississippi	48	53	45	53	94	105	84	56	99	13	9
Missouri	1,382	1,341	1,485	1,294	1,470	1,487	1,123	912	781	650	592
Montana	58	76	88	83	22	11	10	3	....	2	3
Nebraska	79	13	7	50	70	173	225	179	34	27	39
Nevada	152	179	301	283	350	443	442	121	156	50	41
New Hampshire..	516	459	451	380	219	129	112	302	413	312	261
New Jersey....	9,548	9,181	8,612	6,651	5,568	5,135	6,231	7,025	7,417	6,307	5,976
New Mexico....	40	37	42	31	16	13	12	31	30	32	29
New York	5,573	5,495	5,527	5,570	5,004	4,774	5,938	5,946	5,863	4,775	4,354
North Carolina..	216	92	97	368	178	107	110	224	296	147	60
North Dakota..	9	8	7	6	2	2	....	....	....	....	10
Ohio	12,819	12,503	12,848	10,235	8,509	7,325	6,593	5,525	5,088	4,316	3,981
Oklahoma	224	157	173	161	138	153	208	180	171	115	88
Oregon	1,948	1,929	1,922	1,731	1,705	1,596	1,917	1,571	1,456	1,494	1,386
Pennsylvania ..	15,947	16,531	16,916	15,086	13,563	12,403	10,599	10,418	9,034	7,768	7,323
Rhode Island..	2,677	2,449	2,826	2,228	1,861	1,556	1,559	2,952	2,904	2,678	2,476
South Carolina..	1,281	881	929	921	540	481	293	433	474	410	403
South Dakota..	98	88	49	64	30	14	1	23	....	....	....
Tennessee	180	170	148	122	223	288	97	88	91	63	38
Texas	923	876	704	416	247	159	996	222	198	149	127
Utah	467	332	173	20	27	33	69	15	12	9	1
Vermont	157	104	75	78	56	32	23	72	82	75	73
Virginia	1,022	687	468	266	288	223	276	363	379	295	250
Washington ..	5,000	5,622	5,368	4,823	4,577	4,338	3,895	3,706	2,788	2,014	2,014
West Virginia..	1,137	1,049	730	367	663	739	1,141	927	816	710	781
Wisconsin	765	429	435	452	612	799	540	529	485	410	376
Wyoming	52	62	137	110	185	29	8	10	17	19	14
U. S. total..	122,633	117,780	115,108	99,011	91,176	86,664	84,219	84,515	78,024	66,610	60,851

¹ Preliminary.

Authority: Bureau of Mines.

U. S. SALES OF RESIDUAL FUEL OILS, BY STATES AND USES, 1939-1949—Continued

(Thousands of Barrels)

FOR USE AS HEATING OILS

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama ..	54	35	30	11	12	8	6	1	....	....	6
Arizona	26	23	38	28	17	66	61	47	32	19	16
Arkansas	258	5	65	55	50	53	....	3	....	....	2,102
California	3,279	4,369	5,200	5,660	4,562	4,403	4,074	3,269	2,814	2,085	2,102
Colorado	109	1	3	2	....	....	11	16	14	18	15
Connecticut	4,250	3,968	2,092	1,599	1,441	1,066	1,158	1,639	1,601	1,539	1,239
Delaware	218	80	95	85	76	90	137	151	41	60	40
Dist. of Col. . .	745	575	668	727	641	578	554	681	678	651	597
Florida	447	339	367	390	328	310	400	466	518	596	484
Georgia	494	48	85	58	43	44	55	63	89	92	94
Idaho	82	5	....	....	2	....	7	8	2	....	6
Illinois	4,834	4,898	5,393	5,177	4,866	4,599	4,949	5,563	5,297	5,035	4,386
Indiana	785	597	666	625	580	535	643	758	821	751	644
Iowa	255	91	125	162	154	162	267	309	389	351	337
Kansas	528	159	186	214	239	169	95	80	121	161	146
Kentucky	136	69	111	115	119	130	156	86	65	94	94
Louisiana	502	84	51	50	46	46	56	94	104	105	117
Maine	263	137	142	182	163	141	186	208	259	261	209
Maryland	862	753	750	851	783	698	661	849	861	806	665
Massachusetts .	7,108	8,071	7,298	4,597	3,828	3,250	3,503	4,313	4,741	4,737	4,035
Michigan	1,896	2,059	2,268	2,029	1,807	1,779	1,543	1,806	1,699	1,701	1,586
Minnesota	469	297	287	362	408	388	530	581	708	622	540
Mississippi	5	2	....	....	....	....	....	....	....	....	8
Missouri	1,481	2,132	2,069	1,514	1,621	1,412	1,698	1,730	1,911	1,899	1,770
Montana	95	13	55	57	50	627	63	10	27	31	35
Nebraska	197	86	146	133	151	162	216	238	297	285	262
Nevada	77	65	74	73	71	101	142	113	52	59	103
New Hampshire .	201	97	270	242	229	214	248	300	191	183	166
New Jersey	6,920	5,865	5,392	4,035	3,642	3,432	3,883	4,211	3,547	3,434	2,871
New Mexico	2	....	....	....	....	....	5	6	8	11	11
New York	11,921	12,265	11,487	10,362	9,122	8,564	8,945	10,262	10,227	10,078	8,164
North Carolina .	38	....	21	20	18	20	25	31	45	58	50
North Dakota ..	4	12	1	....	....	....	6	10	14	12	22
Ohio	562	246	280	197	190	149	195	237	227	249	193
Oklahoma	186	18	....	2	1	1	....	13	70	101	110
Oregon	1,106	1,545	1,653	2,278	1,750	1,554	1,084	1,015	824	898	888
Pennsylvania ...	3,376	4,174	3,909	3,596	3,383	3,138	3,515	4,266	4,014	3,831	3,421
Rhode Island ...	1,771	1,510	1,362	711	579	575	695	822	915	916	755
South Carolina .	20	7	6	8	6	5	5	11	8	4	1
South Dakota ..	20	25	12	13	10	14	18	23	32	21	39
Tennessee	177	131	90	95	85	105	71	5	6	....	....
Texas	1,304	211	215	75	73	55	104	117	160	191	175
Utah	57	....	....	....	2	6	4	....	....	....	....
Vermont	51	70	85	81	67	56	86	108	110	103	85
Virginia	208	173	265	187	166	152	210	242	290	297	266
Washington	2,353	2,532	2,346	2,470	1,950	1,677	1,667	1,895	1,806	1,590	1,490
West Virginia ..	110	2	....	....	....	....	....	....	1	....	....
Wisconsin	550	785	724	589	539	502	726	827	970	909	848
Wyoming	22	10	20	17	4	3	7	....	....	2	....
U. S. total....	60,414	58,639	56,402	49,734	43,874	40,474	42,670	47,483	46,606	44,846	39,101

¹ Preliminary.

Authority: Bureau of Mines.

Sales of Residual Fuel Oil to Armed Forces Show 8-Per-Cent Decline in 1949

U. S. SALES OF RESIDUAL FUEL OILS, BY STATES AND USES, 1939-1949—Continued

(Thousands of Barrels)

FOR USE BY U. S. ARMY, NAVY, AND COAST GUARD ¹

State	1949 ¹	1948	1947	1946	1945	1944	1943 ²	1942 ²	1941 ²	1940	1939
Alabama	24	54	9	21	65	213	....	....	....	77	88
Arizona .....	....	....	....	....	....	2	....	....	....	2	....
Arkansas	4	....	....	1	52	295	....	....	....	220	65
California	11,348	13,015	10,451	17,043	46,823	41,547	....	....	....	8,753	5,535
Colorado	1	....	....	....	....	....	....	....	....	....	....
Connecticut	100	139	221	281	319	286	....	....	....	182	85
Delaware .....	....	....	....	....	24	....	....	....	....	....	....
Dist. of Col. ....	....	....	....	45	7	4	....	....	....	2	....
Florida	403	485	568	609	1,834	1,793	....	....	....	129	121
Georgia	163	187	33	218	300	228	....	....	....	1	....
Idaho	1	....	1	6	....	14	....	....	....	....	....
Illinois	16	130	48	46	102	128	....	....	....	26	103
Indiana	3	....	7	15	42	23	....	....	....	....	....
Iowa .....	....	2	2	5	....	....	....	....	....	9	3
Kansas	3	....	....	....	24	135	....	....	....	....	....
Kentucky .....	....	....	....	1	6	6	....	....	....	....	18
Louisiana	609	633	596	663	5,077	3,599	....	....	....	432	323
Maine	1	5	....	5	14	19	....	....	....	45	37
Maryland	386	576	448	423	491	776	....	....	....	340	313
Massachusetts ..	142	174	179	370	935	3,433	....	....	....	444	258
Michigan	17	13	67	43	45	47	....	....	....	8	14
Minnesota .....	....	....	....	....	....	....	....	....	....	....	....
Mississippi .....	....	8	....	1	1	2	....	....	....	5	5
Missouri	42	66	103	8	245	92	....	....	....	60	101
Montana	2	....	....	482	686	827	....	....	....	....	6
Nebraska	3	....	....	....	....	1	....	....	....	1	18
Nevada .....	....	44	19	....	18	10	....	....	....	2	6
New Hampshire ..	....	....	102	....	....	....	....	....	....	....	....
New Jersey	76	822	1,510	1,583	6,299	10,708	....	....	....	1,005	705
New Mexico	2	3	....	6	12	....	....	....	....	....	....
New York	656	1,028	142	1,162	1,626	433	....	....	....	370	344
North Carolina ..	43	54	71	87	19	11	....	....	....	49	59
North Dakota .....	....	1	....	....	....	....	....	....	....	....	....
Ohio	66	46	20	37	59	123	....	....	....	29	51
Oklahoma .....	....	....	....	....	....	36	....	....	....	....	....
Oregon	70	73	78	220	673	370	....	....	....	85	85
Pennsylvania	424	1,095	972	1,603	4,223	3,710	....	....	....	860	445
Rhode Island	1,220	1,226	305	10	228	96	....	....	....	78	137
South Carolina ..	93	160	24	17	42	106	....	....	....	21	92
South Dakota	3	....	....	....	....	....	....	....	....	....	....
Tennessee	2	....	132	....	242	86	....	....	....	....	....
Texas	1,219	1,167	704	8,253	23,687	27,733	....	....	....	1,881	1,563
Utah .....	....	1	7	17	2	5	....	....	....	1	1
Vermont .....	....	....	....	....	....	....	....	....	....	....	....
Virginia	5,503	3,291	1,738	656	451	1,258	....	....	....	604	551
Washington	76	157	530	600	1,117	929	....	....	....	60	26
West Virginia ..	....	....	....	....	73	104	....	....	....	....	....
Wisconsin	1	....	....	....	....	....	....	....	....	....	1
Wyoming	2	....	....	1,275	1,621	2,159	....	....	....	....	....
U. S. total	22,724	24,655	19,147	35,822	97,485	101,347	92,713	56,531	25,746	15,781	11,159

¹ Preliminary.

² Includes navy grade.

³ Not available; included in "all uses not elsewhere specified."

Authority: Bureau of Mines

U. S. SALES OF RESIDUAL FUEL OILS,² BY STATES AND USES, 1939-1949—Continued

(Thousands of Barrels)

FOR USE AS OIL-COMPANY FUEL

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Alabama	5	6	13	13	11	11	5	13	16	24	19
Arizona	1	7	56	43	45	59	107	154	228	251	214
Arkansas	7,947	3,741	6,892	7,667	8,597	8,701	5,863	6,253	7,817	7,514	7,602
California	38	68	145	94	130	121	79	96	70	60	66
Colorado	56	54	43	39	41	24	24	9	15	..	14
Connecticut	106	113	110	99	88	58	20	41	70	64	59
Delaware	7	8	9	7	5	4	4	8	7	5	4
Dist. of Col.....	41	38	36	32	39	46	33	39	39	33	29
Florida	121	122	117	5	90	86	67	61	79	86	66
Georgia	63	..	..	37	42	40	50	60	..	..	..
Idaho	3,905	3,942	4,044	3,868	3,552	3,403	3,148	2,440	2,498	1,534	1,673
Illinois	8,672	4,551	4,106	3,979	3,752	3,639	2,898	3,112	4,374	3,192	2,987
Indiana .....	..	..	..	..	2	..	..	..	..	..	..
Iowa	1,540	1,461	1,572	1,684	1,893	1,851	1,992	1,814	2,573	2,575	2,444
Kansas	39	320	272	305	313	323	409	411	386	389	279
Kentucky ..	361	949	931	893	914	946	826	705	773	432	544
Louisiana ..	27	30	31	28	27	23	20	21	22	26	25
Maine	688	581	628	714	911	784	1,102	874	946	882	827
Maryland ..	586	632	673	581	578	490	556	931	889	961	870
Massachusetts	463	631	819	787	860	802	714	801	756	618	479
Michigan ...	4	5	8	6	7	5	5	7	27	24	6
Minnesota ..	3	1	5	4	4	5	1	11	16	19	6
Mississippi ..	416	384	342	231	302	343	369	395	316	288	246
Missouri	186	201	186	229	223	229	174	201	206	243	234
Montana .....	..	31	30	8	8	7	6	12	37	11	18
Nebraska .....	..	..	..	..	..	..	..	..	..	..	..
Nevada .....	..	..	..	..	..	..	..	..	..	..	..
New Hampshire.	7,029	6,217	7,090	6,038	5,336	3,872	4,285	4,532	5,950	6,254	6,119
New Jersey	11	49	125	76	81	76	75	68	73	61	43
New Mexico	1,648	2,027	2,183	2,067	1,979	1,831	1,499	1,522	1,798	1,696	1,478
New York	4	3	4	4	4	4	4	2	4	3	1
North Carolina .	1	..	1	..	..	..	..	..	..	..	..
North Dakota ..	2,094	2,808	3,061	2,762	2,550	2,961	2,868	2,928	2,779	2,079	1,861
Ohio	2,175	1,912	2,274	1,942	1,933	1,820	1,718	1,692	2,073	1,942	1,730
Oklahoma .....	..	..	..	..	..	..	..	..	..	..	..
Oregon	211	180	158	123	124	121	102	102	109	103	95
Pennsylvania ...	7,051	8,429	8,430	7,567	7,345	6,835	5,377	4,419	5,204	5,203	5,099
Rhode Island ...	386	406	393	372	233	303	1,234	273	315	317	234
South Carolina .	93	14	61	93	98	83	56	74	113	96	74
South Dakota ..	..	..	..	..	..	..	..	..	1	..	2
Tennessee	6	8	5	7	10	6	9	8	7	6	5
Texas	5,467	11,523	12,554	10,007	9,533	9,851	8,340	7,252	10,302	10,014	9,606
Utah	969	904	923	842	895	603	1,189	173	159	124	114
Vermont .....	..	..	..	..	..	..	..	..	..	..	..
Virginia	72	72	74	72	66	68	64	63	81	88	80
Washington	236	236	201	198	237	214	179	164	156	112	136
West Virginia ..	9	82	69	55	70	82	53	38	108	179	115
Wisconsin .....	..	..	..	..	11	10	..	..	..	..	3
Wyoming	912	975	992	779	768	880	448	594	652	608	510
U. S. total....	53,649	53,721	59,666	54,357	53,707	51,620	43,972	42,377	52,044	48,416	46,023

¹ Preliminary.

² Does not include crude oil. See table "U. S. consumption of crude oil as fuel oil."

Authority: Bureau of Mines

U. S. SALES OF RESIDUAL FUEL OILS, BY STATES AND USES, 1939-1949—Continued

(Thousands of Barrels)

FOR MISCELLANEOUS USES

State	1949 ¹	1948	1947	1946	1945	1944	1943 ²	1942 ²	1941 ²	1940	1939
Alabama	52	31	15	78	105	81	315	343	144	37	14
Arizona .....	....	104	36	15	....	5	44	32	21	36	17
Arkansas	4	21	31	5	21	8	112	82	58	72	52
California	1,764	1,690	1,627	1,300	1,780	1,160	53,196	30,469	13,198	1,354	998
Colorado	7	23	14	20	4	4	52	36	50	43	76
Connecticut	163	82	23	19	27	8	206	102	205	44	6
Delaware	1	3	2	....	1	....	99	1	1	2	5
Dist. of Col.	31	36	30	21	16	16	233	80	36	41	110
Florida	159	951	1,060	695	295	343	1,233	959	426	85	50
Georgia	96	42	46	95	31	45	253	134	98	98	62
Idaho	5	7	2	4	1	36	44	47	28	11	14
Illinois	109	408	638	100	135	725	666	314	177	122	110
Indiana	38	35	53	16	29	22	165	232	84	68	41
Iowa	5	42	24	8	8	4	102	24	37	44	38
Kansas	9	55	60	14	24	15	61	31	42	62	151
Kentucky	22	63	7	21	43	50	94	178	71	42	9
Louisiana	114	338	207	177	375	360	3,635	3,180	5,138	781	891
Maine	39	12	9	6	4	2	54	46	65	11	13
Maryland	476	498	436	313	224	248	957	907	472	176	418
Massachusetts ..	23	24	23	10	12	15	978	1,305	747	88	30
Michigan	129	49	39	185	162	11	131	264	281	93	80
Minnesota .....	....	111	72	8	38	1	20	36	44	47	43
Mississippi	13	3	19	96	219	350	220	59	143	52	126
Missouri	47	164	215	105	95	37	235	194	230	134	119
Montana	37	4	6	3	1	1	15	7	18	12	18
Nebraska .....	....	10	1	1	13	12	12	36	50	86	75
Nevada	13	10	16	7	9	13	125	36	23	9	4
New Hampshire ..	1	1	1	1	1	1	1	2	129	1	1
New Jersey	14	80	43	596	214	45	3,774	3,295	1,566	133	107
New Mexico .....	....	30	38	....	11	3	5	35	17	14	23
New York	47	262	206	47	93	37	232	189	251	40	29
North Carolina ..	137	217	130	55	32	21	326	259	57	11	13
North Dakota ..	19	8	5	14	19	1	1	....	1	....	....
Ohio	183	91	39	18	24	42	176	235	72	173	155
Oklahoma	6	149	50	33	34	36	26	47	41	49	154
Oregon	101	79	86	159	218	119	738	917	340	191	184
Pennsylvania	41	15	28	20	107	8	1,920	1,407	1,200	134	140
Rhode Island	31	28	31	30	20	6	109	58	325	87	48
South Carolina ..	52	45	21	44	25	17	160	378	102	77	31
South Dakota ..	13	32	23	3	1	4	3	12	18	21	29
Tennessee	13	75	29	50	4	12	175	136	13	25	8
Texas	305	383	786	289	284	356	26,190	14,292	4,494	227	204
Utah	3	7	1	3	3	23	11	64	23	13	6
Vermont	1	....	....	....	....	....	....	2	2	....	....
Virginia	80	83	325	40	92	36	841	268	73	87	73
Washington	151	89	216	261	314	127	1,148	1,781	652	313	141
West Virginia ..	3	6	1	1	1	1	9	1	....	1	1
Wisconsin	11	113	83	9	20	10	31	33	42	36	37
Wyoming	6	14	6	33	11	7	2	5	9	30	36
U. S. total	4,574	6,623	6,859	5,028	5,200	4,484	99,133	62,550	31,314	5,313	4,990

¹ Preliminary.

² Includes sales to U. S. Army, Navy, and Coast Guard.

Authority: Bureau of Mines.

U. S. CONSUMPTION OF CRUDE OIL AS FUEL OIL,² BY STATES, 1938-1949

(Thousands of Barrels)

State	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938
Alabama					1	1	3					
Arizona												
Arkansas	1	1	1	1	1	18	17	17	9	5	11	11
California	539	613	842	1,416	1,386	1,071	1,039	752	623	567	669	569
Colorado								1	4	6	6	7
Connecticut				6					8	7		
Delaware												
Dist. of Col.												
Florida					2	1	8					
Georgia				94			1					
Idaho												
Illinois	83	119	107	113	112	134	88	127	54	65	82	74
Indiana	65	75	65	98	101	70	68	50	29	24	17	23
Iowa												
Kansas	52	290	109	94	107	372	122	103	21	51	5	6
Kentucky	62				40	1	11			15	27	3
Louisiana	132	260	301	322	460	501	381	337	382	497	408	426
Maine												
Maryland												
Massachusetts		4	5		5	7	5					
Michigan	1						91		3			
Minnesota		1			2							
Mississippi	42	92	37	14	11	18	3					
Missouri	170	245	262	224	233	214	237	211	140	134	93	121
Montana	22			1			1		1	1		
Nebraska	1											
Nevada												
New Hampshire												
New Jersey	1	19	87	14	19				1	147	1	
New Mexico	6	11	20	19	17	9	9	6	36	20	12	24
New York	3									5	22	9
North Carolina												
North Dakota				1								
Ohio	10	7	10	145	7	82	16	15			29	
Oklahoma	142	286	249	201	231	242	239	266	169	149	103	110
Oregon				13								
Pennsylvania	7			4	62		2		22	11	20	
Rhode Island		13	14		13	13	11					
South Carolina												
South Dakota												
Tennessee								1	1			
Texas	641	761	770	717	797	985	628	540	577	713	710	681
Utah									1	1	2	
Vermont	1											
Virginia	1											
Washington				20						23		
West Virginia	2											
Wisconsin	1										1	
Wyoming	13	119	104	178	22	4	171	68	57	7		
U. S. total...	1,998	2,916	2,983	3,697	3,629	3,743	3,151	2,404	2,137	2,448	2,218	2,064

¹ Preliminary.

² For use as oil-company fuel.

Authority: Bureau of Mines

1949 Petroleum-Fuel Sales 14 Per Cent Above 1946

TOTAL U. S. SALES OF PETROLEUM FUELS,¹ BY STATES, 1926-1949

State	ALL USES (Thousands of Barrels)													1938
	1949 1	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938		
Alabama	4,231	4,789	5,231	4,653	4,386	3,843	3,752	3,313	2,780	1,976	2,127	2,113		
Arizona	2,108	3,183	4,664	3,744	3,667	3,783	4,431	4,819	3,431	3,693	2,220	2,838		
Arkansas	3,995	3,918	3,986	3,454	3,455	4,262	4,321	3,511	2,562	2,156	2,156	2,056		
California	98,403	101,684	111,397	109,879	146,267	134,159	136,400	99,839	77,201	71,516	69,790	59,316		
Colorado	2,466	2,862	2,942	2,754	2,433	2,504	2,145	1,794	1,474	1,097	880	636		
Connecticut	24,025	20,553	17,473	13,901	11,144	10,136	9,566	10,355	11,358	10,675	9,064	7,482		
Delaware	2,952	1,909	1,922	1,614	1,685	1,682	1,984	1,614	1,453	1,717	1,596	1,400		
District of Columbia ..	3,673	3,644	3,668	3,112	2,729	2,545	2,859	3,317	3,452	2,986	2,541	2,137		
Florida	19,495	20,200	19,279	17,356	17,617	16,627	13,409	12,187	12,448	10,513	9,838	8,871		
Georgia	6,831	5,968	4,889	4,582	4,119	3,766	3,402	2,851	2,558	2,418	2,288	2,022		
Idaho	2,042	2,026	1,494	1,277	1,154	1,149	1,036	1,080	750	565	483	420		
Illinois	34,652	36,898	37,953	31,765	32,266	31,596	30,871	30,724	28,943	26,182	22,561	19,930		
Indiana	25,423	21,926	18,539	15,655	15,204	14,703	12,024	12,176	12,762	9,965	8,977	7,824		
Iowa	8,786	8,177	6,876	6,178	5,515	4,441	4,744	4,724	3,998	3,449	2,969	2,325		
Kansas	10,691	14,260	14,105	12,230	12,699	12,369	12,638	9,046	9,277	8,162	7,605	6,687		
Kentucky	3,135	3,283	2,410	2,163	2,098	2,089	2,273	2,154	1,697	1,355	1,110	840		
Louisiana	19,241	23,702	18,109	15,414	17,241	18,964	17,196	13,864	17,151	11,810	11,318	10,871		
Maine	5,280	4,980	5,075	3,698	2,867	3,073	2,816	3,531	3,892	3,040	2,645	2,150		
Maryland	21,212	24,670	19,875	17,865	16,153	16,313	14,649	13,521	13,436	12,286	10,218	9,603		
Massachusetts	43,217	39,001	36,266	27,576	26,155	27,055	22,738	25,703	23,996	26,857	24,392	21,362		
Michigan	25,565	24,764	19,323	14,302	13,819	13,041	14,056	14,917	13,584	11,967	10,119	8,228		
Minnesota	11,561	11,544	10,349	8,209	6,764	6,509	7,037	7,737	7,399	6,939	5,909	4,974		
Mississippi	1,324	1,413	1,255	1,071	1,136	1,245	1,046	1,112	7,399	6,919	531	529		
Missouri	12,082	14,719	13,992	11,526	11,535	10,930	11,544	11,219	10,948	10,404	9,339	8,502		
Montana	5,667	6,745	7,104	7,655	7,998	6,449	4,336	3,894	3,220	2,077	1,947	1,451		
Nebraska	3,808	4,073	3,718	3,207	3,159	3,117	2,658	2,781	2,766	2,721	2,483	1,982		
Nevada	3,266	5,735	6,908	6,589	7,341	8,222	7,522	6,057	4,286	3,418	3,109	2,690		
New Hampshire	2,346	2,364	1,769	1,415	1,415	1,521	1,371	2,043	2,565	2,153	1,812	1,431		
New Jersey	64,966	62,435	72,178	65,015	75,236	81,678	55,128	47,972	47,904	49,578	46,087	42,862		
New Mexico	1,175	1,338	1,548	1,682	1,747	1,277	998	779	701	630	557	502		
New York	94,420	91,773	71,795	63,756	57,059	53,405	56,665	54,128	56,780	54,520	48,154	43,389		
North Carolina	4,051	3,681	2,985	2,620	2,088	1,636	1,727	1,641	1,384	1,112	930	699		
North Dakota	1,974	1,759	1,488	1,488	1,285	1,586	1,643	703	677	647	594	442		
Ohio	25,721	26,209	24,013	18,705	14,483	13,567	10,970	12,373	10,970	9,084	8,161	7,105		
Oklahoma	8,367	9,294	8,858	8,558	8,990	9,449	10,377	9,332	9,303	8,544	8,112	8,269		

TOTAL U. S. SALES OF PETROLEUM FUELS,¹ BY STATES, 1926-1949—Continued

State	1949 ¹	ALL USES										
		(Thousands of Barrels)										
		1946	1945	1944	1943	1942	1941	1940	1939	1938		
Oregon	19,188	19,254	20,424	18,565	18,808	15,577	12,562	11,089	8,752	9,308		
Pennsylvania	56,240	49,878	47,828	45,454	34,740	31,249	31,479	29,269	27,285	26,213		
Rhode Island	11,916	8,673	7,217	6,448	5,545	7,835	9,594	8,839	7,893	6,839		
South Carolina	4,240	3,256	1,707	1,953	1,494	1,852	1,404	1,253	1,109	757		
South Dakota	1,772	1,215	932	844	860	904	909	891	891	777		
Tennessee	3,033	2,372	2,881	2,748	2,177	1,549	1,263	1,045	695	557		
Texas	74,824	77,152	101,482	103,046	94,220	63,449	51,834	43,222	42,012	37,672		
Utah	2,709	2,163	2,099	1,773	1,374	995	692	603	485	471		
Vermont	1,335	902	768	682	633	813	901	803	675	539		
Virginia	15,909	9,548	8,555	10,178	7,550	4,388	4,462	4,794	4,539	4,824		
Washington	23,751	20,551	20,201	18,829	18,645	16,029	12,199	9,688	9,193	9,241		
West Virginia	1,850	856	1,226	1,284	1,635	1,283	1,261	1,128	1,046	912		
Wisconsin	9,794	7,716	6,745	6,792	7,239	7,497	7,344	6,885	5,793	4,748		
Wyoming	5,477	4,902	5,941	6,071	2,880	2,613	2,262	2,012	1,853	1,654		
U. S. total.....	828,109	726,610	773,690	753,284	690,189	592,146	554,329	498,758	456,943	407,850		

TOTAL U. S. SALES OF PETROLEUM FUELS,² BY STATES, 1926-1949—Continued

State	ALL USES											
	(Thousands of Barrels)											
	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926
Alabama	1,889	1,545	1,294	1,174	1,127	1,041	1,003	531	671	376	406	1,073
Arizona	3,994	2,585	2,545	729	448	625	2,052	3,482	4,208	3,825	2,681	3,698
Arkansas	2,658	2,876	2,544	2,345	2,276	2,084	2,066	2,925	2,633	2,478	2,210	1,802
California	70,952	65,893	66,627	63,801	59,893	59,141	68,401	89,949	89,634	91,707	89,845	86,615
Colorado	644	581	464	400	371	364	395	369	446	628	584	420
Connecticut	7,822	7,047	5,742	4,862	3,692	2,977	2,527	3,047	2,598	2,200	2,594	2,286
Delaware	1,866	1,335	914	865	765	638	730	1,014	882	509	641	884
District of Columbia	1,911	1,509	1,191	1,190	1,141	1,176	1,058	1,398	1,202	1,024	972	759
Florida	8,810	8,287	7,387	7,310	6,035	5,495	5,903	7,004	5,970	5,646	7,397	9,210
Georgia	1,787	1,744	1,497	1,280	1,211	1,190	1,343	1,442	1,340	1,255	1,349	1,504
Idaho	520	223	140	82	67	46	39	42	47	33	30	61
Illinois	20,864	18,351	15,037	13,206	11,851	11,820	13,014	14,565	13,425	14,128	11,445	8,992
Indiana	7,905	7,450	6,935	6,193	5,264	5,944	5,994	6,084	5,581	4,972	4,268	3,091
Iowa	2,261	1,873	1,576	1,032	1,152	1,152	1,264	1,394	882	787	660	666
Kansas	7,364	7,764	7,594	6,693	5,924	6,020	5,539	4,778	5,614	5,654	4,816	5,164
Kentucky	973	799	815	749	640	598	542	620	391	371	403	259
Louisiana	12,350	11,614	10,481	8,585	8,663	9,134	12,171	14,806	18,540	17,526	18,207	20,558
Maine	2,490	2,428	1,754	1,487	1,829	1,038	1,253	1,368	1,211	762	1,273	1,617
Maryland	9,549	8,253	7,715	7,053	6,217	6,095	5,825	5,901	6,021	5,903	5,114	5,291
Massachusetts	21,798	18,829	17,187	14,394	12,766	13,041	13,002	13,057	12,520	11,240	11,976	12,080
Michigan	9,847	9,000	8,634	7,631	5,723	4,966	4,252	4,232	4,769	5,096	2,966	2,398
Minnesota	5,784	4,093	2,986	2,796	2,697	2,700	2,674	2,689	1,549	1,479	1,404	980
Mississippi	8,796	7,593	476	765	231	182	174	211	151	334	335	414
Missouri	8,980	7,695	6,583	5,456	5,098	5,070	5,484	5,111	5,020	4,516	5,297	5,147
Montana	1,802	1,652	1,676	1,221	1,098	984	1,002	1,709	2,207	2,163	2,325	2,352
Nebraska	1,955	1,743	1,315	1,152	1,125	1,097	1,059	1,115	783	637	671	749
Nevada	3,790	2,791	2,182	664	522	534	656	1,034	963	994	815	587
New Hampshire	1,513	1,176	1,176	885	734	683	643	300	161	112	154	176
New Jersey	44,232	41,458	32,554	30,646	30,193	29,022	33,402	35,084	22,458	20,039	19,677	14,929
New Mexico	561	715	835	753	468	340	223	447	370	419	387	272
New York	43,428	42,215	36,087	30,367	28,097	26,865	27,415	29,529	38,270	37,007	34,333	35,952
North Carolina	591	504	402	334	253	233	254	275	200	200	215	322
North Dakota	416	294	269	199	183	190	181	193	110	63	25	40
Ohio	8,030	7,173	5,826	5,393	5,331	5,262	4,811	4,737	4,835	4,807	3,871	3,138
Oklahoma	9,083	9,461	9,581	9,836	9,698	9,316	9,390	12,948	12,407	10,321	8,947	8,704
Oregon	10,879	9,918	7,773	6,079	5,430	4,869	6,615	7,249	6,589	6,878	5,270	6,066
Pennsylvania	26,320	26,098	23,452	21,871	19,751	19,190	20,591	19,908	16,222	16,222	14,504	17,291
Rhode Island	7,283	6,894	6,591	6,412	5,591	4,525	4,017	5,009	4,999	4,151	4,567	4,567
South Carolina	679	591	509	549	367	316	325	426	684	792	980	1,284
South Dakota	613	536	474	353	294	282	285	265	154	130	106	122

TOTAL U. S. SALES OF PETROLEUM FUELS,² BY STATES, 1926-1949—Continued

ALL USES

(Thousands of Barrels)

State	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926
Tennessee	593	387	328	500	390	394	500	568	768	760	485	368
Texas	43,231	41,841	39,382	36,368	38,696	41,910	46,423	49,710	50,237	48,205	44,500	47,999
Utah	508	404	260	254	203	155	269	494	554	399	429	376
Vermont	566	458	393	353	296	261	252	259	341	214	141	73
Virginia	3,638	3,420	2,575	1,808	1,369	1,182	1,368	1,312	1,300	1,224	1,508	1,516
Washington	11,352	9,331	8,976	8,485	8,312	7,517	7,974	10,376	11,459	10,652	8,184	7,359
West Virginia	807	840	919	576	613	630	505	390	417	468	394	416
Wisconsin	4,823	4,022	2,992	2,415	2,017	2,033	2,043	2,223	1,640	1,474	1,411	1,101
Wyoming	1,799	1,549	1,418	1,264	1,234	1,243	1,642	2,010	2,443	2,449	2,716	3,201
U. S. total.....	441,803	408,409	365,985	330,321	308,347	301,570	329,137	367,361	369,565	353,232	334,272	334,030

¹ Preliminary.

² Except kerosine. For kerosine, see table "U. S. consumption of kerosine, by states."

Authority Bureau of Mines

Sales of Fuel Oils Million Barrels a Day Above Prewar

U. S. SALES OF FUEL OILS, BY USES, 1926-1949

(Thousands of Barrels)

(Thousands of Barrels)												
Year	Vessels (Including Tankers)	Gas and Electric Power Plants	Smelters, Mines, and Manu- facturing Industries	Heating Oils	Railroads	Fuel for Oil-Company Use	U. S. Army, and Navy, and Coast Guard ¹	Total Domestic Sales			Daily Average	
								Excluding Fuel for Oil- Company Use	All Other Uses	All Uses	Total Domestic Sales	Heating Oils
1949 ¹	102,483	92,642	149,057	250,801	102,071	59,798	28,833	102,424	768,311	828,109	2,268.8	708.7
1948.....	110,274	71,668	147,712	258,663	120,594	60,262	33,726	45,571	788,208	848,470	2,317.1	706.7
1947.....	116,375	75,160	139,597	234,761	121,119	64,840	24,323	42,348	753,703	818,543	2,242.6	643.2
1946.....	100,249	61,502	120,328	189,371	117,875	59,944	45,207	32,134	666,666	726,610	1,990.7	518.8
1945.....	114,495	41,356	110,247	165,216	126,755	58,464	127,851	29,506	715,426	773,890	2,120.2	452.6
1944.....	105,256	40,313	103,617	152,203	125,162	56,344	....	170,389	696,940	753,284	2,058.2	415.9
1943.....	73,265	36,812	99,344	155,251	124,886	48,007	....	152,624	642,182	690,189	1,890.9	425.3
1942.....	46,717	33,805	97,132	168,989	106,484	45,035	....	93,084	546,211	592,146	1,622.3	463.0
1941.....	67,635	38,774	88,387	167,514	85,510	55,297	....	51,212	499,032	554,329	1,518.7	458.9
1940.....	74,803	32,795	73,940	160,379	68,098	51,928	....	36,815	446,830	498,758	1,362.7	438.2
1939.....	79,254	32,039	67,043	136,232	63,235	49,045	....	30,095	407,898	456,943	1,251.9	373.2
1938.....	74,266	27,567	60,038	118,323	57,829	43,517	....	26,310	364,333	407,850	1,117.4	324.2
1937.....	84,990	26,510	74,798	116,617	69,458	42,924	....	26,506	398,879	441,803	1,210.4	319.5
1936.....	80,324	26,799	71,326	99,257	61,727	46,021	....	22,955	362,368	408,409	1,115.9	271.2
1935.....	74,581	23,647	63,576	76,853	55,651	48,116	....	23,561	317,869	365,985	1,002.7	210.6
1934.....	69,262	23,143	56,942	60,822	52,581	47,404	....	20,167	282,917	330,321	905.0	166.6
1933.....	70,445	22,507	51,500	50,140	48,305	46,200	....	19,250	262,147	308,347	844.8	137.4
1932.....	72,631	22,199	48,500	44,264	48,908	47,700	....	17,468	253,870	301,570	824.0	120.9
1931.....	83,559	24,490	51,236	40,578	58,150	52,710	....	18,414	276,427	329,137	901.7	111.2
1930.....	94,131	26,749	59,379	42,703	67,900	53,437	....	19,869	310,731	364,168	997.7	117.0
1929.....	92,870	31,511	70,481	37,400	76,849	55,559	....	19,753	328,864	384,423	1,053.2	102.5
1928.....	89,942	30,902	68,139	30,699	70,680	50,044	....	21,126	311,488	361,532	987.8	83.9
1927.....	88,215	30,021	65,891	27,460	69,848	43,453	....	15,860	297,295	340,748	933.6	75.2
1926.....	79,268	33,652	69,336	22,779	72,218	46,701	....	14,056	291,329	340,030	931.6	62.4

¹ Preliminary.

² Prior to 1945, included in all other uses.

Authority: Bureau of Mines

U. S. SALES OF GAS OIL AND DISTILLATE AND RESIDUAL FUEL OILS, BY USES, 1934-1949

(Thousands of Barrels)

Year	(Thousands of Barrels)											
	Vessels (Including Tankers)	Gas and Electric Power Plants	Smelters, Mines, and Manu- facturing Industries	Heating Oils	Railroads	Fuel for Oil-Company Use	U. S. Army, and NAVY, and Coast Guard ³	Total Domestic Sales			Daily Average	
								Excluding Fuel for Oil- Company Use	All Other Uses	Oil- Company Use	Total Domestic Sales	Heating Oils
GAS OIL AND DISTILLATE												
1949 ¹	13,121	12,550	26,424	190,387	38,604	4,151	6,109	37,850	329,196	901.9	521.6	
1948	14,511	14,856	29,932	200,024	31,006	3,625	9,071	38,948	341,973	934.4	546.5	
1947	14,475	24,489	24,489	178,359	23,619	1,783	5,176	35,488	298,014	816.5	488.7	
1946	12,064	10,581	21,517	139,637	17,570	1,890	9,385	27,106	238,550	656.3	382.6	
1945	14,130	6,824	19,071	121,342	14,458	1,128	30,366	24,306	231,625	634.6	332.4	
1944	13,187	5,837	16,953	111,729	10,627	981	.	64,558	223,891	611.7	305.3	
1943	11,069	5,954	15,125	112,581	8,608	884	.	53,491	207,712	569.1	308.4	
1942	8,900	5,704	12,617	121,506	6,488	1,064	.	30,534	186,813	511.8	332.9	
1941	10,957	5,152	10,363	120,908	4,945	1,116	..	172,223	173,339	474.9	331.3	
1940	13,249	4,561	7,330	115,533	3,194	1,064	..	159,588	160,652	438.9	315.7	
1939	14,108	4,131	6,192	97,131	2,258	804	.	13,946	137,766	379.6	266.1	
1938	13,068	3,685	5,224	82,388	1,720	839	..	10,397	116,502	321.8	225.7	
1937	13,484	2,989	5,691	81,235	1,629	803	..	10,803	115,841	319.6	222.6	
1936	(²)	(²)	(²)	69,429	(²)	(²)	....	(²)	102,515	280.1	189.7
1935	(²)	(²)	(²)	53,797	(²)	(²)	....	(²)	86,389	236.7	147.4
1934	(²)	(²)	(²)	42,575	(²)	(²)	....	(²)	74,716	204.7	116.6
RESIDUAL FUEL												
1949 ¹	89,362	80,092	122,633	60,414	63,467	55,647	22,724	4,574	443,266	1,366.9	165.5	
1948	95,763	56,812	117,780	58,639	85,588	56,637	24,655	6,623	449,860	1,383.9	160.2	
1947	101,900	60,954	115,108	56,402	97,500	62,649	19,147	6,859	520,529	1,426.1	154.5	
1946	88,185	50,921	99,011	49,734	100,305	58,054	33,822	5,028	429,006	1,334.4	136.3	
1945	100,365	34,532	91,176	43,874	112,297	57,336	97,485	5,200	484,929	1,485.7	120.2	
1944	92,069	34,476	86,664	40,474	114,535	55,363	....	105,831	474,049	1,446.5	110.6
1943	61,196	30,658	84,219	42,670	116,278	44,871	....	99,133	435,354	1,321.9	116.9
1942	37,817	28,101	84,515	47,483	95,996	44,871	..	62,550	360,462	1,110.5	130.1	
1941	56,678	33,622	78,024	46,606	80,565	54,181	..	31,314	326,809	1,043.8	127.7	
1940	61,554	28,234	66,610	44,846	64,904	50,884	..	21,094	358,106	923.8	122.5	
1939	65,146	27,908	60,851	39,101	60,977	48,241	..	16,149	270,132	872.3	107.1	
1938	61,178	54,814	59,107	35,935	56,109	42,576	..	15,913	247,831	785.6	98.5	
1937	71,496	23,521	69,107	35,382	67,829	42,121	..	15,703	325,159	890.8	96.9	
1936	(²)	(²)	(²)	29,828	(²)	(²)	....	(²)	305,894	835.8	81.5
1935	(²)	(²)	(²)	23,056	(²)	(²)	..	(²)	279,596	766.0	63.2	
1934	(²)	(²)	(²)	18,247	(²)	(²)	..	(²)	255,605	700.3	50.0	

¹ Preliminary.
² Not available.
³ Prior to 1945, included in all other uses.

Authority: Bureau of Mines

U. S. Demand for Petroleum Fuels Over 2¼ Million Barrels Daily

U. S. DEMAND AND EXPORTS OF ALL FUEL OILS, BY YEARS, 1918-1949 ¹

(Thousands of Barrels)

Year	Total U. S. Demand and Exports		U. S. Demand ²		Exports ⁴	
	Annual Total	Daily Average	Annual Total	Daily Average	Annual Total	Daily Average
1949 ¹	848,181	2,324	823,351	2,256	24,830	68
1948.....	875,423	2,392	841,119	2,298	34,304	94
1947.....	857,283	2,349	816,783	2,238	40,500	111
1946.....	761,598	2,087	722,923	1,981	38,675	106
1945.....	794,672	2,177	749,507	2,053	45,165	124
1944.....	777,367	2,124	721,340	1,071	56,027	153
1943.....	714,969	1,959	675,118	1,850	39,851	109
1942.....	625,028	1,712	591,358	1,620	33,670	92
1941.....	587,285	1,609	556,246	1,524	31,039	85
1940.....	536,263	1,469	501,014	1,373	35,249	96
1939.....	507,966	1,400	458,461	1,265	49,505	136
1938.....	456,843	1,252	409,282	1,121	47,561	130
1937.....	487,788	1,336	442,355	1,212	45,433	124
1936.....	445,524	1,217	410,641	1,122	34,883	95
1935.....	395,671	1,084	366,723	1,005	28,948	79
1934.....	368,976	1,011	340,371	933	28,605	78
1933.....	344,268	943	323,705	887	20,563	56
1932.....	328,151	897	308,157	842	19,994	55
1931.....	363,899	997	334,668	917	29,231	80
1930.....	404,981	1,110	368,531	1,010	36,450	100
1929.....	454,307	1,245	415,156	1,137	39,151	107
1928.....	428,401	1,171	383,974	1,049	44,427	121
1927.....	386,656	1,059	339,265	930	47,391	130
1926.....	377,923	1,035	339,572	930	38,351	105
1925.....	343,092	940	307,004	841	36,088	99
1924.....	328,015	896	290,766	794	37,249	102
1923.....	294,760	808	261,388	716	33,372	91
1922.....	255,542	700	237,063	650	18,479	51
1921.....	218,332	598	195,656	536	22,676	62
1920.....	208,052	568	185,972	508	22,080	60
1919.....	180,290	494	163,803	449	16,487	45
1918.....	172,387	472	142,751	391	29,636	81

¹ Preliminary.

² Includes gas oil, distillate fuel oils, and residual fuel oils.

³ U. S. demand includes the entire demand of the U. S. armed services, regardless of whether demand occurs in foreign countries.

⁴ Exports include lend-lease.

Authority: Bureau of Mines.

Domestic Market Takes 74 Per Cent of Total Sales of Lubricating Oils and Greases in 1947

SALES OF LUBRICATING OILS AND GREASES, BY STATES AND BY TYPES, 1947

(Barrels of 42 U. S. Gallons)

State	Automotive			Aviation			Industrial			Automotive, Aviation, and Industrial		Total Oils and Greases		
	Oils		Greases	Oils		Greases	Lubricants		Other		Oils		Greases	
							Oils	Greases	Oils	Greases				
Alabama	254,267	27,354		2,332	70		160,184	18,764		14,261	231	431,044	46,419	477,463
Arizona	77,956	8,805		4,838	5		19,174	2,680		1,200	96	103,168	11,786	114,954
Arkansas	215,100	24,228		1,069	...		74,334	5,158		14,658	39	305,161	29,425	334,586
California	1,278,844	121,209		51,392	224		443,436	44,589		325,797	7,885	2,099,469	173,907	2,273,376
Colorado	158,358	18,645		3,746	...		45,096	5,493		20,548	156	227,748	24,294	252,042
Connecticut	208,950	13,017		8,059	50		156,757	15,775		73,740	12,145	447,506	40,987	488,493
Delaware	36,667	3,214		246	2		15,001	480		16,014	487	67,928	4,183	72,111
District of Columbia	77,846	4,332		2,335	2		21,566	1,030		5,971	480	101,637	5,843	107,480
Florida	341,110	32,004		16,244	12		133,731	4,296		59,670	1,196	550,755	37,508	588,263
Georgia	353,769	38,497		4,334	...		107,099	8,744		54,864	5,093	520,066	52,334	572,400
Idaho	81,105	8,974		94	1		12,389	3,572		6,343	5,011	99,931	17,558	117,489
Illinois	983,416	99,149		10,058	20		688,503	47,985		775,925	23,720	2,457,902	170,877	2,628,779
Indiana	544,646	51,002		3,074	5		288,285	29,912		197,223	7,575	1,003,228	88,494	1,091,722
Iowa	455,895	45,579		729	7		130,195	14,174		39,928	7,754	626,747	67,514	694,261
Kansas	465,622	44,848		2,270	13		114,396	6,858		19,247	6,703	601,535	58,422	659,957
Kentucky	303,200	21,865		1,373	4		123,864	16,028		72,377	192	500,814	38,089	538,903
Louisiana	556,454	26,529		3,339	...		285,736	14,300		32,414	1,384	877,943	42,213	920,156
Maine	17,309	7,668		3,071	...		30,061	3,250		16,195	10,112	163,986	21,230	185,216
Maryland	359,168	21,611		2,071	1		180,832	20,031		32,984	6,250	576,081	47,893	623,974
Massachusetts	363,427	21,470		4,028	7		219,617	11,727		266,935	16,758	854,007	49,962	903,969
Michigan	893,271	102,995		4,424	41		607,898	24,645		432,100	13,379	1,937,693	141,060	2,078,753
Minnesota	459,529	68,302		4,040	16		146,365	18,921		44,164	3,791	654,098	91,030	745,128
Mississippi	209,564	21,337		1,165	...		141,414	4,217		43,867	101	236,010	26,155	262,165
Missouri	523,951	59,588		5,885	21		169,386	12,192		176,610	8,086	875,832	79,887	955,719
Montana	106,684	13,397		410	2		18,956	2,419		4,643	54	130,693	15,872	146,565
Nebraska	210,967	25,394		1,446	2		67,362	6,159		8,403	211	288,178	31,766	319,944
Nevada	21,750	2,498		114	2		29,816	524		1,360	8	53,040	3,032	56,072
New Hampshire	61,943	3,489		173	2		15,867	811		11,037	5,046	88,570	9,348	97,918
New Jersey	612,339	24,852		12,487	27		995,205	15,054		243,015	12,325	1,863,046	52,258	1,915,304
New Mexico	98,135	10,507		1,121	...		18,271	1,217		714	22	118,241	11,746	129,987
New York	1,230,060	321,827		28,649	88		764,805	36,295		355,256	19,720	2,378,770	377,930	2,756,700
North Carolina	424,534	34,659		1,394	1		87,962	9,171		23,709	5,453	537,599	49,284	586,883
North Dakota	135,851	21,909		413	1		6,056	471		2,390	617	144,710	22,998	167,708
Ohio	1,014,442	85,644		5,724	43		879,277	58,766		385,011	15,756	2,284,454	160,209	2,444,663
Oklahoma	406,195	56,197		6,032	2		220,414	4,438		16,147	1,527	648,788	62,164	710,952

SALES OF LUBRICATING OILS AND GREASES, BY STATES AND BY TYPES, 1947—Continued

(Barrels of 42 U. S. Gallons)

State	Automotive		Aviation		Industrial				Automotive, Aviation, and Industrial		Total Oils and Greases
	Oils	Greases	Oils	Greases	Lubricants		Other	Oils	Greases		
					Oils	Greases					
Oregon	204,466	18,599	1,528	6	47,965	6,078	27,696	5,117	281,845	29,800	311,445
Pennsylvania	1,158,031	72,478	11,124	5	1,628,245	124,143	487,164	28,048	3,284,564	224,670	3,509,238
Rhode Island	137,663	5,176	414	1	47,964	1,570	19,630	5,526	205,671	12,273	217,944
South Carolina	222,884	17,307	636	2	44,827	6,484	11,080	6,040	279,427	29,833	309,260
South Dakota	115,140	17,467	428	1	7,330	908	3,821	197	126,719	18,573	145,292
Tennessee	332,004	31,831	3,155	1	102,305	11,956	49,970	79	487,434	43,867	531,301
Texas	1,403,704	130,359	19,651	11	838,528	28,005	50,351	3,566	2,121,234	161,941	2,474,175
Utah	68,386	6,625	1,006	...	25,324	2,876	29,537	89	124,253	9,590	133,843
Vermont	48,692	3,659	99	...	12,281	984	13,501	5,341	74,573	9,985	84,558
Virginia	368,281	29,188	14,678	1	199,526	15,418	31,699	6,529	614,184	51,136	665,320
Washington	248,589	22,031	6,234	14	69,670	8,067	27,432	5,599	351,925	35,711	387,636
West Virginia	161,463	18,714	322	1	277,852	27,239	52,853	2,389	492,490	48,343	540,833
Wisconsin	423,129	48,838	1,400	28	197,434	17,062	169,441	9,373	791,404	75,301	866,705
Wyoming	50,195	5,816	882	...	19,825	3,151	10,120	26	81,022	8,993	90,015
U. S. total.....	18,578,410	1,921,383	258,092	742	10,808,406	724,290	4,779,015	277,282	34,423,923	2,923,697	37,347,620
Exports ²	5,125,579	303,032	396,887	3,848	5,914,546	226,933	911,926	90,540	12,348,938	624,353	12,973,291
Total U. S. sales and exports...	23,703,989	2,224,415	654,979	4,590	16,722,952	951,223	5,690,941	367,822	46,772,861	3,548,050	50,320,911

² Total of shipments made to destinations outside continental United States, including those to United States territories (Puerto Rico, Hawaii, Alaska, Panama Canal Zone, etc.).

Authority: U. S. Department of Commerce; American Petroleum Institute

U. S. SALES OF LIQUEFIED PETROLEUM GASES, BY USES AND BY YEARS, 1935-1949

(Thousands of Gallons)

	1949	1948	1947	1946	1945
Propane:					
Domestic	854,456	765,953	503,448	310,040	216,415
Gas manufacturing	144,883	133,075	77,110	41,199	22,323
Industrial fuel	99,736	100,616	83,108	91,033	105,040
Chemical manufacturing	277,045	261,327	182,388	81,727	66,776
Synthetic-rubber components	1,380	4,125	4,558	19,631	26,526
Internal-combustion-engine fuel	20,264	14,132	12,595	7,605	7,453
All other uses	5,595	516	479	15	48
Total propane	1,403,359	1,279,744	863,686	551,250	444,581
Butane:					
Domestic	154,599	113,001	62,092	45,285	52,866
Gas manufacturing	61,501	63,572	58,424	25,682	15,637
Industrial fuel	43,343	54,420	61,901	48,100	42,043
Chemical manufacturing	56,476	66,452	18,796	45,959	26,227
Synthetic-rubber components	156,607	194,777	187,733	271,925	181,857
Internal-combustion-engine fuel	14,983	20,019	9,662	4,467	6,469
All other uses	1,282	374	27	....	41
Total butane	488,801	512,615	398,635	441,418	325,140
Propane-butane mixtures:					
Domestic	618,495	594,335	534,998	403,141	263,981
Gas manufacturing	32,826	40,991	33,798	19,779	15,889
Industrial fuel	19,118	25,482	28,592	19,982	16,038
Chemical manufacturing	211,365	199,571	212,083	183,813	131,268
Synthetic-rubber components	19,863	26,739	9,244	2,336	404
Internal-combustion-engine fuel	42,724	58,799	77,529	82,520	79,418
All other uses	48	1,534	232	23	27
Total propane-butane mixtures....	944,439	944,442	947,476	711,594	507,045
Pentane²:					
Domestic .....	..	..	..	..	..
Gas manufacturing .....	..	..	..	..	..
Industrial fuel .....	..	..	..	..	..
Chemical manufacturing .....	..	..	..	..	..
Synthetic-rubber components .....	..	..	..	..	..
Internal-combustion-engine fuel .....	..	..	..	..	..
All other uses .....	..	..	..	..	..
Total pentane .....	....	....	....	....	....
All LP gas combined:					
Domestic	1,627,550	1,473,289	1,150,538	758,466	533,262
Gas manufacturing	239,210	237,638	169,332	86,660	53,849
Industrial fuel	162,197	180,518	173,601	159,115	163,121
Chemical manufacturing	544,886	524,350	414,267	311,499	224,291
Synthetic-rubber components	177,850	225,641	201,535	293,892	208,787
Internal-combustion-engine fuel	77,981	92,941	99,786	94,592	93,340
All other uses	6,925	2,424	738	38	116
Total LP gas sales	2,836,599	2,736,801	2,209,797	1,704,262	1,276,766

U. S. SALES OF LIQUEFIED PETROLEUM GASES, BY USES AND BY YEARS, 1935-1949—Continued

(Thousands of Gallons)

	1944	1943	1942	1941	1940
Propane:					
Domestic	167,450	124,670	113,249	98,048	68,927
Gas manufacturing	17,103	8,117	4,957	6,678	5,201
Industrial fuel	93,040	73,698	20,601	16,730	33,122
Chemical manufacturing	40,666	4,455	5,850	1,528	987
Synthetic-rubber components	11,529	.....	.....	.....	.....
Internal-combustion-engine fuel	6,085	4,592	3,112	1,631	915
All other uses	11	2,741	2,742	2,354	64
Total propane	335,884	218,273	150,511	126,969	109,216
Butane:					
Domestic	27,565	44,255	45,028	33,873	21,302
Gas manufacturing	14,900	21,829	12,419	12,152	10,847
Industrial fuel	52,890	56,143	50,495	46,677	33,166
Chemical manufacturing	23,475	7,972	5,256	289	10
Synthetic-rubber components	150,246	.....	.....	.....	.....
Internal-combustion-engine fuel	4,030	9,895	14,870	18,799	11,242
All other uses	10	28	492	454	489
Total butane	273,116	140,122	128,560	112,244	77,056
Propane-butane mixtures:					
Domestic	250,602	169,818	140,516	87,673	43,133
Gas manufacturing	13,876	7,532	13,961	6,368	4,191
Industrial fuel	16,088	19,474	43,011	35,287	3,508
Chemical manufacturing	87,844	39,584	38,325	39,243	30,636
Synthetic-rubber components	310	.....	.....	.....	.....
Internal-combustion-engine fuel	82,380	73,344	64,470	46,441	41,761
All other uses	56	2,931	1,634	4,240	119
Total propane-butane mixtures....	451,156	312,683	301,917	219,252	123,348
Pentane²:					
Domestic .....	.....	.....	766	1,128	656
Gas manufacturing .....	.....	.....	29	57	46
Industrial fuel .....	.....	.....	25	34	96
Chemical manufacturing .....	.....	.....	3,607	3,146	3,038
Synthetic-rubber components .....	.....	.....	.....	.....	.....
Internal-combustion-engine fuel .....	.....	.....	4	.....	.....
All other uses .....	.....	.....	21	22	.....
Total pentane .....	.....	.....	4,452	4,387	3,836
All LP gas combined:					
Domestic	445,617	339,380	299,559	220,722	134,018
Gas manufacturing	45,879	37,519	31,366	25,255	20,285
Industrial fuel	162,018	149,429	114,132	98,728	69,892
Chemical manufacturing	151,985	55,356	53,038	44,206	34,671
Synthetic-rubber components	162,085	.....	.....	.....	.....
Internal-combustion-engine fuel	92,495	87,834	82,456	66,871	53,918
All other uses	77	5,715	4,889	7,070	672
Total LP gas sales	1,060,156	675,233	585,440	462,852	313,456

U. S. SALES OF LIQUEFIED PETROLEUM GASES, BY USES AND BY YEARS, 1935-1949—Continued

(Thousands of Gallons)

	1939	1938	1937	1936	1935
Propane:					
Domestic	52,533	37,556	30,436	24,423	18,325
Gas manufacturing	2,083	1,491	972	944	702
Industrial fuel	23,685	14,316	14,567	11,030	....
Chemical manufacturing	249	347			
Synthetic-rubber components .....	..	..	..	..	..
Internal-combustion-engine fuel	663	380	278	105	..
All other uses	110	40	116	....	15,628
Total propane	79,323	54,130	46,369	36,502	34,655
Butane:					
Domestic	17,881	13,194	6,047	2,956	1,353
Gas manufacturing	9,796	8,270	7,430	6,227	5,042
Industrial fuel	36,388	23,405	28,278	28,553	....
Chemical manufacturing	42	43			
Synthetic-rubber components .....	..	..	..	..	..
Internal-combustion-engine fuel	5,850	5,025	1,715	9,622	..
All other uses	1,394	2,831	2,034	97	27,689
Total butane	71,351	52,768	45,504	47,455	34,084
Propane-butane mixtures:					
Domestic	16,093	6,316	3,504	2,048	1,702
Gas manufacturing	3,483	1,538	2,765	2,200	1,837
Industrial fuel	2,155	1,404	25,300	13,122	....
Chemical manufacturing	23,957	30,496			
Synthetic-rubber components .....	..	..	..	..	..
Internal-combustion-engine fuel	23,279	16,296	14,994	2,749	..
All other uses	53	..	131	1	4,577
Total propane-butane mixtures....	69,020	56,050	46,694	20,120	8,116
Pentane³:					
Domestic	1,023	766	836	587	....
Gas manufacturing	73	8	8	....	....
Industrial fuel	112	16	1,957	1,880	....
Chemical manufacturing	2,644	1,413			
Synthetic-rubber components .....	..	..	..	..	..
Internal-combustion-engine fuel .....	..	..	..	..	..
All other uses	34	50	32	108	....
Total pentane	3,886	2,253	2,833	2,575	....
All LP gas combined:					
Domestic	87,530	57,832	40,823	30,014	21,380
Gas manufacturing	15,435	11,307	11,175	9,371	7,581
Industrial fuel	62,340	39,141	70,102	54,585	....
Chemical manufacturing	26,892	32,299			
Synthetic-rubber components .....	..	..	..	..	..
Internal-combustion-engine fuel	29,792	21,701	16,987	12,476	..
All other uses	1,591	2,921	2,313	206	47,894
Total LP gas sales	223,580	165,201	141,400	106,652	76,855

² Includes material delivered for synthetic-rubber components; not available prior to 1944.

³ Not available after 1942.

Authority: Bureau of Mines

L-P Gas Sales in 1949 65 Per Cent Above 1946

U. S. SALES OF LIQUEFIED PETROLEUM GAS, BY YEARS, 1922-1949

(Thousands of Gallons)

Year	Propane	Butane	Propane- Butane Mixtures	Pentane	Total LP Gas
1949.. . . .	1,403,359	488,801	944,439	....	2,836,599
1948.. . . .	1,279,744	512,815	944,442	....	2,736,801
1947.. . . .	863,686	398,635	947,476	....	2,209,797
1946.. . . .	551,250	441,418	711,594	....	1,704,262
1945.. . . .	444,581	325,140	507,045	....	1,276,766
1944 ²	335,884	273,116	451,156	....	1,060,156
1944 ³	323,848	132,870	448,882	(⁴)	905,600
1943.. . . .	218,273	140,122	312,683	4,155	675,233
1942.. . . .	150,511	128,560	301,917	4,452	585,440
1941.. . . .	126,969	112,244	219,252	4,387	462,852
1940.. . . .	109,216	77,056	123,348	3,836	313,456
1939.. . . .	79,323	71,351	69,020	3,886	223,580
1938.. . . .	54,130	52,768	56,050	2,253	165,201
1937.. . . .	46,474	45,399	46,694	2,833	141,400
1936.. . . .	36,502	40,200	27,375	2,575	106,652
1935.. . . .	26,814	34,084	13,493	2,464	76,855
1934.. . . .	18,681	25,553	10,271	1,922	56,427
1933.. . . .	15,835	19,056	3,226	814	38,931
1932.. . . .	15,182	14,662	3,417	854	34,115
1931.. . . .	15,000	11,046 ⁵	2,177 ⁵	547 ⁵	28,770
1930.. . . .	11,500	....	....	....	18,017
1929.. . . .	....	....	....	....	9,931
1928.. . . .	....	....	....	....	4,523
1927.. . . .	....	....	....	....	1,091
1926.. . . .	....	....	....	....	465
1925.. . . .	....	....	....	....	404
1924.. . . .	....	....	....	....	376
1923.. . . .	....	....	....	....	277
1922.. . . .	....	....	....	....	223

² Includes synthetic-rubber components for comparison with subsequent years.

³ Does not include synthetic rubber components for comparison with prior years.

⁴ Not available after 1943.

⁵ Estimated; not available prior to 1931.

Authority: Bureau of Mines.

UTILIZATION OF U. S. PETROLEUM ASPHALTIC PRODUCTS,¹ BY USES AND BY YEARS, 1925-1948

(Short Tons)

Use	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
Solid and Semi-solid, Less than 200-Penetration												
Asphalt for:												
Paving	2,860,540	2,380,734	1,994,621	1,904,002	1,889,966	1,982,457	2,133,214	1,764,221	1,277,961	1,176,534	1,271,838	1,162,497
Roofing	1,645,371	1,874,376	1,701,985	1,300,250	1,205,332	990,172	1,300,168	1,111,687	927,037	807,312	761,525	799,921
Waterproofing	150,854	104,296	128,451	101,249	94,267	109,483	93,425	39,938	46,738	80,013	92,521	89,687
Blending with rubber	19,697	32,113	28,715	19,483	20,189	16,510	22,263	20,536	22,772	24,293	23,914	26,713
Briquetting	192,079	195,273	167,768	154,895	108,180	117,603	97,812	77,175	123,414	62,120	57,441	63,767
Mastic and mastic caks	5,406	5,144	36,635	34,104	5,272	27,651	12,182	11,913	9,391	4,663	1,577	1,171
Pipe coatings	38,055	34,304	31,774	17,955	16,983	16,064	15,935	41,889	20,489	21,684	15,550	13,517
Moulding compounds	52,352	76,745	51,316	44,818	41,078	41,467	36,128	34,846	15,767	29,346	11,925	14,740
Miscellaneous uses	286,291	291,539	177,028	175,976	263,794	224,922	214,040	229,144	168,192	127,510	101,651	112,341
Total	5,250,645	4,994,524	4,318,293	3,752,732	3,645,061	3,526,329	3,925,167	3,331,349	2,611,761	2,333,475	2,307,782	2,284,364
Semi-solid and Liquid, More than 200-Penetration												
Flux for:												
Paving	410,613	342,778	285,229	225,064	223,241	297,828	344,418	212,786	182,524	195,802	193,704	130,616
Roofing	965,721	960,738	866,842	749,354	558,220	690,293	569,290	560,009	291,658	421,734	365,910	291,281
Waterproofing	3,093	3,410	9,003	7,834	6,262	8,513	22,323	4,947	6,790	4,130	9,429	25,984
Mastic	5,179	2,448	2,333	50,048	2,642	3	4,050	....	6	204	....	....
Cutback asphalts	2,297,380	2,246,131	1,908,344	1,861,773	2,055,518	2,204,055	1,788,970	1,903,132	1,722,475	1,454,846	1,392,997	1,099,498
Emulsified asphalts and fluxes	124,760	55,408	50,917	69,943	97,389	107,954	118,645	129,006	85,570	55,881	56,953	56,654
Paints, enamels, japans, and lacquers	42,925	58,834	68,395	46,189	34,766	36,302	42,278	45,038	27,048	37,579	25,422	26,244
Other liquid asphaltic products	77,805	71,215	96,011	88,027	112,077	36,526	25,640	42,456	14,457	133,293	124,430	117,312
Total	3,927,476	3,740,962	3,296,074	3,098,252	3,090,115	3,371,474	2,915,614	2,897,374	2,330,528	2,303,469	2,166,845	1,747,589
Total all U. S. uses	9,178,121	8,735,486	7,614,367	6,850,984	6,735,176	6,897,803	6,840,781	6,228,723	4,942,289	4,636,944	4,476,627	4,031,983
Exports ²	269,958	555,949	395,920	212,303	119,212	86,071	84,804	224,948	259,214	188,897	(¹)	..

UTILIZATION OF U. S. PETROLEUM ASPHALTIC PRODUCTS,² BY USES AND BY YEARS, 1925-1948

—Continued

Use	(Short Tons)												
	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	
Asphalt for:			Solid and Semi-solid, Less than 200-Penetration										
	Paving	1,190,705	877,466	924,135	798,607	856,638	1,124,253	1,363,631	1,526,399	1,549,354	1,652,190	1,339,320	1,326,250
	Roofing	827,029	631,372	565,390	495,458	587,962	708,850	842,755	1,052,662	945,573	1,018,650 ^s	781,620 ^s	854,100 ^s
	Waterproofing	169,967	149,115	97,909	103,882	102,753	104,114	82,020	105,441	336,369	20,190	42,490	20,020
	Blending with rubber...	23,137	15,131	16,606	21,611	19,187	20,338	21,559	25,324	21,674	.....	.....	.....
	Bricksetting	63,185	40,945	37,544	31,090	27,462	40,715	57,641	65,135	.....	.....	.....	.....
	Mastic and mastic cake	1,255	2,502	958	891	1,697	957	2,255	1,789	.....	.....	.....	.....
	Pipe coatings	13,098	7,940	7,342	6,920	8,739	12,737	10,423	12,782	.....	.....	.....	.....
	Moulding compounds	14,059	14,670	11,120	9,038	2,005	7,252	225	2,279	.....	.....	.....	.....
	Miscellaneous uses	123,269	104,585	74,652	69,379	68,920	77,579	108,102	209,105	174,751	169,770	238,750	149,860
	Total	2,425,704	1,843,726	1,735,656	1,536,876	1,655,363	2,096,795	2,488,611	3,000,916	3,027,721	2,861,520	2,402,180	2,350,230
	Semi-solid and Liquid, More than 200-Penetration												
	Flux for:												
	Paving	153,931	113,066	113,362	110,917	107,468	113,801	116,685	185,256	127,177	229,800	126,810	86,940
Roofing	247,248	279,844	186,400	206,632	134,431	127,262	315,270	414,983	266,691	283,910 ^s	341,410 ^s	389,690 ^s	
Waterproofing	25,952	27,810	12,929	7,976	3,331	1,659	1,131	22,515	245	.....	.....	.....
Mastic .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cutback asphalts	1,021,290	707,953	624,183	508,553	440,838	446,413	261,633	129,695	.....	.....	.....	.....
Emulsified asphalts and fluxes	53,045	39,861	32,518	33,303	44,354	16,805	14,049	14,810	.....	.....	.....	.....
Paints, enamels, japans, and lacquers	24,899	20,744	14,179	13,190	8,432	3,829	3,185	210	.....	.....	.....	.....
Other liquid asphaltic products	122,676	109,598	8,014	7,353	14,601	66,727	122,354	120,257	150,440	279,110	254,020	.....
Total	1,649,041	1,298,876	991,585	887,924	753,455	776,496	834,307	887,726	544,553	792,820	722,240	476,630	
Total all U. S. uses.....	4,074,745	3,142,602	2,727,241	2,424,800	2,408,818	2,873,291	3,322,918	3,888,642	3,572,274	3,654,340	3,124,420	2,826,860	
Exports ^s .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

² Exclusive of road oil.

³ Differ from exports reported elsewhere in this edition mainly because of differences in times of collection.

⁴ Not separated prior to 1939.

⁵ Includes waterproofing.

Authority: Bureau of Mines.

1949 U. S. Refinery Asphalt Sales 30 Per Cent Above 1945

SALES¹ OF PETROLEUM ASPHALT AT U. S. REFINERIES, BY YEARS, 1910-1949

Year	Made from U. S. Petroleum		Made from Foreign Petroleum		Total Sales	
	Short Tons	Value	Short Tons	Value	Short Tons	Value
1949.....	6,870,978	\$120,422,317	2,050,116	\$42,015,414	8,921,094	\$162,437,731
1948.....	6,821,405	128,414,477	2,356,716	50,373,837	9,178,121	178,788,314
1947.....	6,855,391	96,731,464	1,880,095	31,137,992	8,735,486	127,869,456
1946.....	6,064,172	72,348,999	1,550,195	21,642,143	7,614,367	93,991,142
1945.....	5,770,223	64,215,506	1,080,761	14,660,045	6,850,984	78,875,551
1944.....	6,022,954	66,109,282	712,222	9,605,382	6,735,176	75,714,664
1943.....	6,597,382	74,688,638	300,421	4,176,192	6,897,803	78,862,830
1942.....	6,337,670	64,013,509	503,111	6,801,792	6,840,781	70,815,301
1941.....	4,676,218	42,408,215	1,552,505	18,104,928	6,228,723	60,513,143
1940 ²	3,719,218	31,267,837	1,223,071	13,923,214	4,942,289	45,191,051
1939.....	3,547,014	28,172,396	1,278,786	12,719,680	4,825,800	40,892,076
1938.....	3,026,963	25,948,928	1,449,664	15,432,152	4,476,627	41,381,080
1937.....	2,476,454	25,948,928	1,555,499	17,515,872	4,031,953	42,994,437
1936.....	2,223,634	22,355,127	1,751,111	18,789,452	4,074,745	41,144,579
1935.....	1,709,117	16,141,163	1,433,485	15,213,515	3,142,602	31,354,678
1934.....	1,353,639	13,973,765	1,373,602	15,921,674	2,727,241	29,895,439
1933.....	1,192,707	10,675,280	1,232,093	12,867,264	2,424,800	23,542,544
1932.....	1,062,816	8,591,564	1,346,002	10,013,553	2,408,818	18,605,117
1931.....	1,163,898	10,855,688	1,709,393	14,005,651	2,873,291	24,861,339
1930.....	1,382,753	15,159,979	1,833,687	19,462,053	3,216,440	34,622,032
1929.....	1,650,387	18,227,795	2,238,255	25,661,639	3,888,642	43,889,434
1928.....	1,397,536	17,634,983	2,174,738	28,633,563	3,572,274	46,268,546
1927.....	1,282,580	16,670,550	2,371,760	34,991,020	3,654,340	51,661,570
1926.....	1,026,690	12,966,530	2,097,730	29,400,350	3,124,420	42,366,880
1925.....	971,520	13,014,030	1,855,340	25,869,090	2,826,860	38,883,120
1924.....	941,728	12,295,703	1,810,324	20,256,537	2,752,052	32,552,240
1923.....	884,895	11,953,767	1,323,160	16,221,179	2,208,055	28,174,946
1922.....	879,260	9,057,064	1,177,931	13,230,136	1,857,191	22,287,200
1921.....	533,007	7,875,912	860,024	11,040,922	1,393,031	18,916,834
1920.....	613,938	10,794,449	1,002,705	13,583,507	1,616,643	24,377,956
1919 ⁴	614,692	8,727,372	674,876	7,711,510	1,289,568	16,438,882
1918 ⁴	604,723	8,796,541	597,697	9,417,818	1,202,420	18,214,359
1917 ⁴	701,809	7,734,691	645,613	7,441,813	1,347,422	15,176,504
1916 ⁴	688,334	6,178,851	572,387	6,018,851	1,260,721	12,197,702
1915 ⁴	664,503	4,715,583	388,318	3,730,436	1,052,821	8,446,019
1914 ⁴	360,683	3,016,969	337,787	4,131,153	698,470	7,148,122
1913 ⁴	436,586	4,531,657	114,437	1,743,749	551,023	6,275,406
1912 ⁴	354,344	3,755,506	.....	.....	354,344	3,755,506
1911 ⁴	277,192	3,173,859	.....	.....	277,192	3,173,859
1910 ⁴	161,187	2,225,833	.....	.....	161,187	2,225,833

¹ Refiners' sales include receipts from other sources (imports of lake asphalts) and include exports through 1939; they exclude consumption at refineries, transfers, losses, etc.; hence these data are not strictly comparable with data on asphalt demand published in other places in this volume.

² Figures after 1939 do not include exports.

⁴ Figures include road oil.

Authority. Bureau of Mines

Million-Ton Annual Sales of Road Oil to Improve U. S. Highways

PETROLEUM ROAD-OIL SALES¹ BY U. S. REFINERIES, BY YEARS, 1920-1949

Year	Made from Domestic Petroleum		Made from Foreign Petroleum		Total Sales	
	Short Tons ²	Value	Short Tons ²	Value	Short Tons ²	Value
1949 ¹	1,111,799	\$17,087,926	16,201	\$397,074	1,128,000	\$17,485,000
1948.....	988,085	17,171,828	31,082	698,172	1,019,167	17,870,000
1947.....	1,145,068	16,991,465	14,599	243,545	1,159,667	17,235,000
1946.....	824,755	8,693,138	14,245	200,862	839,000	8,894,000
1945.....	429,368	3,534,003	2,060	26,967	427,833	3,561,000
1944 ⁴	331,098	3,678,000	7,402	105,000	338,500	3,783,000
1943 ⁴	338,929	3,804,000	3,371	42,000	342,300	3,846,000
1942.....	1,182,579	9,544,629	5,221	58,371	1,187,800	9,603,000
1941.....	1,410,815	11,604,454	60,985	647,546	1,471,800	12,252,000
1940 ⁵	1,341,239	8,777,835	66,061	679,165	1,407,300	9,457,000
1939.....	1,302,550	7,865,700	48,850	592,300	1,351,400	8,458,600
1938.....	1,184,903	8,383,415	105,404	1,080,699	1,290,307	9,464,114
1937.....	1,356,473	11,192,262	99,135	990,951	1,455,608	12,183,213
1936.....	1,273,269	9,435,808	102,847	991,400	1,376,116	10,427,208
1935.....	997,604	7,970,806	135,551	572,150	1,133,155	8,542,956
1934.....	1,152,306	9,439,621	131,486	1,302,377	1,283,792	10,741,998
1933.....	926,922	5,263,477 ⁶	121,632	1,025,642 ⁶	1,048,554	6,289,119
1932.....	1,245,974	6,337,422 ⁶	143,072	968,910 ⁶	1,389,046	7,306,332
1931.....	1,121,597	6,355,845 ⁶	78,982	588,475 ⁶	1,200,579	6,944,320
1930.....	784,315	5,691,375	153,239	1,719,414	937,554	7,410,789
1929.....	682,586	5,907,992	117,243	1,396,229	799,829	7,304,221
1928.....	533,000	4,425,329	124,110	1,423,303	657,110	5,821,558
1927.....	242,840	2,348,600	54,270	780,920	297,110	3,129,520
1926.....	218,470	2,486,410	115,580	1,698,110	334,050	4,184,520
1925.....	235,180	2,291,730	116,330	1,650,920	351,510	3,942,650
1924.....	216,728	2,009,304	110,591	1,454,256	327,319	3,463,560
1923.....	178,329	1,513,436	55,217	856,540	233,546	2,369,976
1922.....	125,885	1,328,861	64,232	669,271	190,117	1,998,132
1921.....	91,213	1,172,310	48,069	720,436	139,282	1,892,746
1920.....	86,558	1,198,008	43,074	689,355	129,632	1,887,363

¹ Preliminary.

² Reported as sales by refiners, includes exports through 1939, transfers to road oil, and excludes refinery consumption, transfers, losses, and adjustments; hence figures are not comparable with total and domestic demand data given in other places in this volume.

³ Converted from barrels to short tons at the rate of 6 bbl per short ton.

⁴ During 1943 and 1944, and until August 22, 1945, the Petroleum Administration for War prohibited the use of road oil; hence the figures for this period refer to a material more properly classed as "liquid asphalt."

⁵ Figures after 1939 do not include exports.

⁶ Estimated.

Authority: Bureau of Mines.

Rubber Companies Account for 93 Per Cent of Domestic Carbon-Black Consumption

U. S. SALES OF CARBON BLACK, BY USES AND BY YEARS, 1929-1948

(Thousands of Pounds)

Year	Consumption by:				Total Domestic Consumption	Exports	Total U. S. Consumption Plus Exports
	Rubber Companies	Ink Companies	Paint Companies	Other Users			
1948	870,564	32,436	6,799	22,634	932,433	321,915	1,254,348
1947	943,580	32,260	8,137	16,707	1,000,684	319,076	1,319,760
1946	941,464	29,561	9,312	18,318	998,655	271,085	1,269,740
1945	804,386	22,824	7,421	11,631	846,262	173,773	1,020,035
1944	738,029	24,479	5,315	12,616	780,439	156,991	937,430
1943	473,473	23,530	3,945	23,440	524,388	104,912	629,300
1942	295,947	19,233	3,616	15,500	334,296	115,635	449,931
1941	439,502	28,198	5,840	23,039	496,579	148,165	644,744
1940	310,179	24,159	6,806	11,012	352,156	177,618	529,774
1939	316,621	21,929	6,382	11,773	356,705	203,828	560,533
1938	217,231	14,131	4,229	7,883	243,474	167,968	411,442
1937	269,584	18,116	6,159	11,503	305,362	184,253	489,615
1936	278,018	17,787	6,914	10,299	313,018	154,718	467,736
1935	213,708	15,177	6,550	9,916	245,351	142,185	387,536
1934	165,446	16,146	5,365	5,035	191,992	120,620	312,612
1933	191,358	18,539	6,260	6,025	222,182	152,286	374,468
1932	130,380	18,341	7,636	5,126	161,483	100,072	261,555
1931	134,315	15,184	6,760	5,453	161,712	96,714	258,426
1930	128,572	19,220	11,922	7,565	167,279	84,260	251,539
1929	138,474	27,350	17,257	8,896	191,977	91,829	283,806

Authority: Bureau of Mines

Oil Industry Fuels and Lubricates 44 Million Motor Vehicles

U. S. MOTOR-VEHICLE REGISTRATIONS, BY YEARS AND TYPES OF VEHICLES, 1900-1949

(As of December 31)

Year	Passenger Cars ¹	Buses	Motor Trucks ²	Total Private and Commercial	Publicly-owned Motor Vehicles ⁴	Total Motor Vehicles ⁵
1949.....	36,292,703	134,971	7,692,569	44,120,243	550,345	44,670,588
1948.....	33,201,329	132,545	7,208,287	40,542,161	529,062	41,071,223
1947.....	30,718,852	128,983	6,512,628	37,360,463	481,035	37,841,498
1946.....	28,100,188	119,937	5,725,692	33,945,817	427,185	34,373,002
1945.....	25,691,434	112,253	4,834,742	30,638,429	396,991	31,035,420
1944.....	25,466,331	106,518	4,513,340	30,086,189	393,117	30,479,306
1943.....	25,912,730	106,702	4,480,176	30,499,608	388,526	30,888,134
1942.....	27,868,746	102,093	4,608,066	32,578,925	420,358	32,999,283
1941.....	29,524,101	88,800	4,859,244	34,472,145	381,829	34,853,974
1940.....	27,372,397	72,641	4,590,386	32,035,424	427,496	32,462,920
1939.....	26,139,526	68,859	4,406,702	30,615,087	394,783	31,009,870
1938.....	25,167,030	65,198	4,210,477	29,442,705	367,230	29,809,935
1937.....	25,390,773	66,166	4,249,219	29,706,158	336,072	30,042,230
1936.....	24,108,236	62,618	4,001,464	28,172,318	229,268	28,401,586
1935.....	22,494,884	58,994	3,675,865	26,229,743	190,796 ⁵	26,420,539
1934.....	21,472,078	51,530	3,430,396	24,954,004	230,386	25,184,390
1933.....	20,586,284	44,918	3,245,505	23,876,707	229,737	24,106,444
1932.....	20,832,357	43,476	3,256,776	24,132,609	180,141	24,312,750
1931.....	22,330,402	41,880	3,489,756	25,862,038	172,250	26,034,288
1930.....	22,972,745	40,507	3,518,747	26,531,999	173,619	26,705,618
1929.....	23,060,421	33,999	3,408,088	26,502,508	152,007	26,654,515
1928.....	21,308,159	31,982	3,171,542	24,511,683	136,797	24,648,480
1927.....	20,142,120	27,659	2,969,780	23,139,559	134,868	23,274,427
1926.....	19,220,885	24,320	2,807,354	22,052,559	135,941	22,188,500
1925.....	17,439,701	17,808	2,483,215	19,940,724	96,929	20,037,653
1924.....	15,436,102	....	2,176,833	17,612,940	44,986	17,657,926
1923.....	13,253,019	....	1,849,086	15,102,105	....	15,102,105
1922.....	10,704,076	....	1,569,523	12,273,599	....	12,273,599
1921.....	9,212,158	....	1,281,508	10,493,666	....	10,493,666
1920.....	8,131,522	....	1,107,639	9,239,161	....	9,239,161
1919.....	6,679,133	....	897,755	7,576,888	....	7,576,888
1918.....	5,554,952	....	605,496	6,160,448	....	6,160,448
1917.....	4,727,468	....	391,057	5,118,525	....	5,118,525
1916.....	3,367,889	....	250,048	3,617,937	....	3,617,937
1915.....	2,332,426	....	158,506	2,490,932	....	2,490,932
1914.....	1,664,003	....	99,015	1,763,018	....	1,763,018
1913.....	1,190,393	....	67,667	1,258,060	....	1,258,060
1912.....	901,596	....	42,404	944,000	....	944,000
1911.....	618,727	....	20,773	639,500	....	639,500
1910.....	458,377	....	10,123	468,500	....	468,500
1909.....	305,950	....	6,050	312,000	....	312,000
1908.....	194,400	....	4,000	198,400	....	198,400
1907.....	140,300	....	2,900	143,200	....	143,200
1906.....	105,900	....	2,200	108,100	....	108,100
1905.....	77,400	....	1,400	78,800	....	78,800
1904.....	54,590	....	700	55,290	....	55,290
1903.....	32,920	....	....	32,920	....	32,920
1902.....	23,000	....	....	23,000	....	23,000
1901.....	14,800	....	....	14,800	....	14,800
1900.....	8,000	....	....	8,000	....	8,000

² Includes taxicabs in all but one state. For details, see table "U. S. motor-vehicle registrations, by states."

³ Includes other types of vehicles in a few states.

⁴ Federal, state, county, and municipal motor vehicles; data partly estimated. No data prior to 1924.

⁵ Data on federal vehicles not available. Figures on other publicly-owned vehicles are incomplete. Some states report state-owned vehicles only. Others exclude certain classes from registration—such as fire apparatus and police vehicles.

⁶ Figures prior to 1924 do not include publicly-owned vehicles, as data are not available.

Authority Bureau of Public Roads; Public Roads Administration

All States Report Record 1950 Motor-Vehicle Registrations

U. S. MOTOR-VEHICLE REGISTRATIONS, BY STATES AND BY YEARS, 1914-1950³

State	1950 ¹	1949	1948	1947	1946	1945
Alabama	646,000	586,209	533,074	483,990	430,247	359,237
Arizona	257,000	234,792	210,997	186,044	159,729	143,017
Arkansas	458,000	427,433	382,433	352,858	318,837	275,221
California	4,446,000	4,103,963	3,748,307	3,478,500	3,099,510	2,854,662
Colorado	542,000	502,433	462,336	422,925	388,118	342,425
Connecticut	705,000	659,168	625,479	589,651	549,840	505,385
Delaware	102,000	95,092	87,056	79,502	72,829	68,316
District of Columbia	190,000	177,461	167,010	156,133	127,352	110,570
Florida	952,000	855,504	770,935	693,071	597,087	518,185
Georgia	865,000	783,446	707,817	648,535	575,615	523,196
Idaho	264,000	239,233	217,569	191,365	169,740	150,570
Illinois	2,616,000	2,396,393	2,205,066	2,030,001	1,856,056	1,721,060
Indiana	1,432,000	1,329,881	1,229,662	1,151,157	1,066,689	983,767
Iowa	1,048,000	977,956	887,198	816,785	741,019	692,989
Kansas	845,000	806,570	749,765	697,217	644,825	600,471
Kentucky	761,000	683,592	608,822	549,697	489,267	435,007
Louisiana	691,000	603,430	512,589	466,656	423,499	404,253
Maine	269,000	249,213	248,717	240,430	229,826	207,069
Maryland	669,000	610,866	569,082	539,597	525,211	458,676
Massachusetts	1,262,000	1,166,687	1,098,793	1,037,643	969,911	858,973
Michigan	2,348,000	2,181,422	1,979,329	1,799,578	1,579,095	1,453,573
Minnesota	1,149,000	1,057,561	968,478	875,042	807,610	749,553
Mississippi	470,000	431,431	390,974	352,115	318,927	263,296
Missouri	1,270,000	1,185,947	1,104,130	1,039,149	965,206	854,291
Montana	255,000	240,467	215,793	193,383	175,049	156,885
Nebraska	575,000	538,480	503,815	466,847	436,475	405,841
Nevada	74,000	66,824	60,989	56,952	50,057	45,936
New Hampshire	173,000	164,087	156,975	150,271	142,015	128,316
New Jersey	1,547,000	1,426,205	1,317,719	1,220,634	1,125,280	1,019,586
New Mexico	228,000	200,339	173,618	155,487	133,702	118,385
New York	3,653,000	3,396,596	3,155,891	2,889,209	2,642,435	2,329,995
North Carolina	1,022,000	902,843	831,706	766,234	680,322	605,807
North Dakota	275,000	257,460	233,544	213,308	193,089	180,890
Ohio	2,733,000	2,562,143	2,396,548	2,239,202	2,087,268	1,905,072
Oklahoma	810,000	742,801	673,240	611,076	559,653	504,481
Oregon	675,000	621,415	564,777	522,500	460,659	414,389
Pennsylvania	2,938,000	2,723,123	2,542,632	2,366,686	2,184,271	1,960,634
Rhode Island	247,000	234,434	222,049	207,592	193,808	178,106
South Carolina	569,000	518,915	476,542	449,819	393,513	335,520
South Dakota	285,000	269,301	246,421	218,906	192,944	178,575
Tennessee	821,000	738,365	660,340	600,882	526,513	460,081
Texas	2,850,000	2,536,478	2,271,970	2,023,501	1,794,860	1,583,451
Utah	238,000	219,803	205,113	184,740	171,061	153,890
Vermont	119,000	113,744	110,673	107,469	101,585	89,935
Virginia	887,000	809,384	758,297	700,691	627,085	548,329
Washington	901,000	838,409	771,728	711,584	644,686	614,027
West Virginia	463,000	431,263	399,491	349,299	324,164	284,362
Wisconsin	1,197,000	1,110,823	1,028,150	976,937	907,849	819,752
Wyoming	122,000	110,858	98,512	99,613	91,429	82,422
U. S. total	47,914,000	44,120,243	40,542,161	37,360,463	33,945,817	30,638,429

U. S. MOTOR-VEHICLE REGISTRATIONS, BY STATES AND BY YEARS, 1914-1950²—Continued

State	1944	1943	1942	1941	1940	1939
Alabama	356,375	357,252	358,734	409,706	339,853	325,472
Arizona	137,231	136,543	141,005	144,401	138,403	131,355
Arkansas	265,554	268,446	289,053	290,249	257,177	241,425
California	2,780,051	2,749,720	2,907,001	2,962,222	2,773,659	2,606,590
Colorado	330,505	343,442	359,860	365,588	352,110	343,487
Connecticut	494,954	510,195	550,623	551,101	493,667	460,870
Delaware	67,992	66,231	66,523	76,842	71,763	67,992
District of Columbia	123,997	135,156	158,663	174,070	161,914	164,673
Florida	491,399	467,850	501,429	545,706	495,210	451,357
Georgia	521,317	514,416	538,889	558,984	502,603	469,440
Idaho	147,563	148,846	157,106	171,031	163,340	153,226
Illinois	1,724,336	1,803,570	1,970,324	2,048,805	1,925,814	1,849,623
Indiana	942,854	987,877	1,044,522	1,078,954	1,000,306	960,842
Iowa	696,447	713,177	760,872	825,112	794,352	766,412
Kansas	593,035	601,051	619,929	612,903	582,668	574,472
Kentucky	433,242	438,879	461,509	497,427	463,727	437,188
Louisiana	401,015	383,542	412,552	430,707	365,429	340,091
Maine	193,942	188,329	200,144	222,367	205,896	200,867
Maryland	452,922	465,507	490,259	494,141	444,532	425,064
Massachusetts	825,508	824,782	911,783	964,198	903,843	871,936
Michigan	1,476,907	1,514,742	1,597,110	1,689,850	1,552,561	1,472,311
Minnesota	755,859	778,744	845,076	903,042	871,351	840,050
Mississippi	257,745	246,592	248,336	293,725	259,013	244,086
Missouri	831,405	874,894	954,188	984,626	921,800	877,094
Montana	157,347	160,809	175,227	198,732	191,032	180,319
Nebraska	397,936	404,042	417,349	423,058	412,116	406,905
Nevada	46,781	50,398	50,406	48,160	44,108	40,771
New Hampshire	119,479	113,953	127,833	141,519	135,384	131,302
New Jersey	989,700	1,009,415	1,108,912	1,165,916	1,086,966	1,027,747
New Mexico	111,464	108,845	115,916	129,211	125,056	120,441
New York	2,246,885	2,257,865	2,586,038	2,859,929	2,743,014	2,655,733
North Carolina	597,228	602,255	628,967	661,779	591,946	573,497
North Dakota	180,531	179,472	184,186	192,895	182,287	176,501
Ohio	1,879,824	1,966,021	2,062,744	2,120,565	1,918,929	1,886,984
Oklahoma	495,494	509,293	547,398	591,822	574,719	556,163
Oregon	410,633	408,412	417,566	429,440	393,578	369,330
Pennsylvania	1,906,694	1,961,610	2,155,509	2,285,083	2,145,849	2,054,787
Rhode Island	172,174	171,595	188,065	198,866	187,509	175,068
South Carolina	336,917	329,427	330,485	389,498	336,772	314,628
South Dakota	178,597	182,508	189,363	202,875	195,667	189,465
Tennessee	453,030	448,061	466,063	508,983	450,133	423,956
Texas	1,553,574	1,559,870	1,615,895	1,811,101	1,694,113	1,618,039
Utah	153,373	158,338	154,107	150,493	139,921	132,871
Vermont	84,434	81,033	88,496	96,971	93,645	90,713
Virginia	530,212	515,869	547,992	570,567	500,064	460,416
Washington	603,281	596,585	610,309	617,030	562,495	535,799
West Virginia	274,919	276,117	296,236	335,840	302,558	286,167
Wisconsin	822,380	840,291	881,587	954,596	900,915	848,658
Wyoming	81,147	82,741	86,786	91,459	85,657	82,884
U. S. total.....	30,086,189	30,499,608	32,578,925	34,472,145	32,035,424	30,615,087

U. S. MOTOR-VEHICLE REGISTRATIONS, BY STATES AND BY YEARS, 1914-1950²—Continued

State	1938	1937	1936	1935	1934	1933
Alabama	299,082	313,359	297,292	245,143	228,074	208,616
Arizona	128,791	129,210	115,035	103,122	96,586	89,496
Arkansas	221,402	230,823	217,227	207,429	198,091	188,242
California	2,510,867	2,484,653	2,327,984	2,151,501	2,006,255	1,972,149
Colorado	332,774	337,217	316,050	284,578	274,231	266,491
Connecticut	440,335	436,564	398,254	366,827	351,846	340,530
Delaware	64,078	63,599	59,629	56,560	54,240	51,099
District of Columbia.....	162,863	184,119	181,319	171,464	163,070	149,790
Florida	423,021	418,145	386,907	356,244	335,205	279,265
Georgia	432,360	441,829	410,583	394,096	376,993	330,147
Idaho	137,851	142,110	133,037	118,266	108,863	96,255
Illinois	1,780,865	1,768,946	1,659,750	1,525,817	1,456,241	1,463,050
Indiana	922,758	956,016	905,088	850,650	803,271	770,071
Iowa	740,021	745,602	723,414	699,016	666,440	632,292
Kansas	573,985	586,685	577,906	553,106	528,664	517,987
Kentucky	414,207	404,455	372,576	346,130	332,067	294,547
Louisiana	326,199	323,498	302,420	268,824	244,007	232,688
Maine	196,690	200,907	191,554	181,165	178,995	168,173
Maryland	395,347	387,410	378,462	353,578	332,892	313,274
Massachusetts	843,789	846,556	816,711	785,572	785,392	789,788
Michigan	1,498,835	1,505,111	1,373,676	1,239,431	1,148,953	1,077,209
Minnesota	821,241	822,598	783,627	726,993	697,672	679,243
Mississippi	215,195	226,286	205,890	186,289	174,934	164,688
Missouri	837,118	835,895	809,615	766,369	739,813	698,362
Montana	171,326	173,892	167,150	149,712	128,336	110,245
Nebraska	407,330	412,726	413,787	406,178	406,632	390,651
Nevada	38,424	40,655	38,509	34,858	32,230	28,324
New Hampshire	124,379	125,939	122,236	117,154	113,134	107,631
New Jersey	1,000,684	994,497	943,412	888,292	864,641	845,734
New Mexico	116,537	118,106	108,729	92,457	82,900	76,643
New York	2,564,123	2,561,703	2,453,542	2,330,962	2,273,686	2,245,619
North Carolina	537,242	525,350	505,248	463,123	432,421	382,308
North Dakota	174,256	173,188	167,241	164,217	156,203	153,889
Ohio	1,829,201	1,876,132	1,777,048	1,714,627	1,613,265	1,554,314
Oklahoma	525,399	547,263	531,914	502,101	477,292	451,712
Oregon	357,321	360,348	332,729	293,554	272,102	239,410
Pennsylvania	1,976,466	1,984,821	1,868,412	1,745,401	1,681,202	1,635,019
Rhode Island	168,888	167,586	159,140	148,597	142,394	136,261
South Carolina	287,913	296,224	278,829	235,919	202,834	162,735
South Dakota	180,632	184,743	186,480	179,271	169,975	169,249
Tennessee	398,624	400,384	380,792	351,898	336,313	312,180
Texas	1,548,343	1,552,114	1,478,124	1,382,104	1,312,152	1,201,762
Utah	127,004	126,692	116,816	106,006	101,926	100,362
Vermont	87,402	88,958	84,155	81,513	77,921	73,576
Virginia	441,462	440,713	417,463	385,555	373,908	347,883
Washington	523,328	535,483	499,760	453,660	422,238	427,406
West Virginia	275,691	290,837	280,015	248,379	223,155	226,985
Wisconsin	840,291	854,374	835,178	754,037	709,359	670,797
Wyoming	80,765	81,837	76,603	69,998	64,990	52,560
U. S. total.....	29,442,705	29,706,158	28,172,318	26,229,743	24,954,004	23,876,707

U. S. MOTOR-VEHICLE REGISTRATIONS, BY STATES AND BY YEARS, 1914-1950²—Continued

State	1932	1931	1930	1929	1928	1927
Alabama	228,096	248,665	279,344	286,598	270,578	243,539
Arizona	94,935	105,572	110,525	109,013	94,372	81,047
Arkansas	136,583	180,731	220,204	233,128	214,931	206,568
California	1,990,201	2,057,339	2,041,356	1,974,341	1,812,057	1,693,195
Colorado	286,211	308,458	308,509	303,489	284,867	268,492
Connecticut	321,580	336,040	331,026	328,063	309,792	281,521
Delaware	52,341	55,202	56,109	54,960	51,210	47,124
District of Columbia	161,176	173,519	156,676	151,450	126,556	111,680
Florida	286,021	323,260	328,109	345,977	352,961	394,734
Georgia	287,716	320,840	341,580	358,905	318,856	300,635
Idaho	96,039	111,663	119,077	118,074	108,154	101,336
Illinois	1,489,147	1,612,770	1,638,260	1,615,088	1,504,359	1,438,985
Indiana	797,126	862,672	874,963	866,715	823,806	813,637
Iowa	682,905	748,438	778,386	784,450	733,466	704,203
Kansas	504,784	559,176	594,523	581,223	533,799	501,901
Kentucky	291,309	327,326	331,002	332,848	304,231	285,621
Louisiana	238,877	263,050	275,283	280,668	264,293	255,000
Maine	171,424	188,238	186,157	184,506	172,638	163,623
Maryland	322,106	325,372	321,702	319,873	285,311	276,863
Massachusetts	801,317	840,190	846,206	817,704	730,306	694,107
Michigan	1,136,224	1,230,980	1,328,209	1,395,102	1,249,221	1,154,773
Minnesota	682,953	720,401	732,972	730,399	674,329	646,682
Mississippi	153,741	183,650	237,094	250,011	246,242	218,043
Missouri	717,260	752,805	761,600	756,680	712,965	682,419
Montana	109,132	127,166	135,168	140,387	126,035	112,735
Nebraska	374,849	416,131	426,229	418,226	391,355	373,912
Nevada	31,378	32,168	29,645	31,915	27,376	25,776
New Hampshire	105,215	111,510	112,183	108,680	103,210	96,009
New Jersey	854,782	869,867	852,850	832,332	758,430	712,396
New Mexico	76,872	81,325	84,150	78,374	65,737	59,291
New York	2,249,509	2,323,004	2,307,730	2,263,259	2,083,942	1,937,918
North Carolina	376,326	428,737	453,241	483,602	464,376	430,499
North Dakota	153,232	171,293	183,019	188,046	173,525	160,701
Ohio	1,589,322	1,710,625	1,759,363	1,766,614	1,649,699	1,570,734
Oklahoma	415,644	482,725	550,331	570,791	529,843	503,126
Oregon	258,762	278,157	252,123	269,007	248,118	244,572
Pennsylvania	1,665,650	1,747,932	1,760,035	1,733,283	1,642,207	1,554,915
Rhode Island	133,408	137,878	136,423	134,009	125,698	118,014
South Carolina	176,370	203,719	218,402	231,274	216,805	199,635
South Dakota	162,096	193,025	205,172	204,199	191,374	169,552
Tennessee	298,713	350,520	368,259	362,431	322,137	294,567
Texas	1,197,443	1,297,301	1,365,896	1,348,107	1,214,297	1,111,407
Utah	97,234	108,958	113,997	112,661	98,541	93,974
Vermont	77,475	83,877	86,624	93,030	86,231	79,527
Virginia	376,512	379,227	375,889	387,205	360,545	337,607
Washington	445,314	420,878	446,062	442,341	402,875	384,583
West Virginia	225,137	253,308	266,273	268,888	251,556	245,819
Wisconsin	695,953	754,249	782,562	793,502	742,135	698,289
Wyoming	56,209	62,101	61,501	60,680	56,336	51,955
U. S. total	24,132,609	25,862,038	26,531,999	26,502,508	24,511,683	23,133,241

U. S. MOTOR-VEHICLE REGISTRATIONS, BY STATES AND BY YEARS, 1914-1950¹—Continued

State	1926	1925	1924	1923	1922	1921
Alabama	226,559	195,170	157,262	126,642	90,052	82,366
Arizona	73,682	68,029	57,828	49,711	38,034	35,611
Arkansas	209,419	183,589	141,983	113,300	84,596	67,408
California	1,608,753	1,448,269	1,325,256	1,100,283	890,587	703,537
Colorado	248,613	240,097	213,247	188,956	162,328	145,739
Connecticut	265,934	250,669	217,347	181,765	152,984	134,952
Delaware	44,834	40,140	35,136	29,977	24,560	21,413
District of Columbia	111,497	103,092	88,762	74,811	52,792	39,327
Florida	447,853	286,388	195,128	152,235	116,170	97,957
Georgia	277,468	248,093	207,688	173,889	143,423	131,976
Idaho	94,760	81,506	69,227	62,379	53,874	51,294
Illinois	1,370,503	1,263,177	1,119,236	969,526	782,126	663,472
Indiana	772,326	725,410	651,705	583,342	469,939	400,342
Iowa	698,998	659,202	618,378	573,120	501,890	462,074
Kansas	491,276	457,033	410,891	375,594	327,194	289,539
Kentucky	281,557	261,647	229,804	198,377	154,021	125,627
Louisiana	239,500	207,000	178,000	136,622	102,284	77,885
Maine	151,486	140,499	127,598	108,973	92,924	77,814
Maryland	252,852	234,247	198,465	170,316	165,647	136,249
Massachusetts	681,690	637,013	572,115	474,950	385,231	360,732
Michigan	1,118,785	989,010	868,587	731,730	578,980	477,037
Minnesota	630,285	569,694	503,437	448,187	380,557	323,475
Mississippi	205,200	177,262	134,680	104,286	77,571	65,039
Missouri	654,554	604,166	540,500	476,598	392,969	346,836
Montana	103,958	94,656	79,695	73,828	62,650	58,785
Nebraska	366,773	338,719	308,715	286,053	256,654	238,704
Nevada	24,014	21,169	18,119	15,699	12,797	10,821
New Hampshire	89,001	81,498	71,929	60,275	48,546	44,125
New Jersey	651,415	580,554	504,470	431,202	342,473	273,121
New Mexico	54,996	49,111	41,680	32,032	22,400	22,559
New York	1,815,434	1,625,583	1,417,139	1,207,959	1,002,293	812,031
North Carolina	385,047	340,287	303,628	247,612	182,550	148,627
North Dakota	157,822	144,972	117,346	109,266	99,052	92,644
Ohio	1,480,246	1,346,400	1,241,600	1,069,100	858,716	720,634
Oklahoma	499,938	424,345	369,903	307,000	249,659	221,300
Oregon	235,322	216,553	192,629	165,994	134,229	118,198
Pennsylvania	1,455,184	1,330,338	1,228,845	1,048,172	834,337	693,709
Rhode Island	110,746	101,756	95,482	76,312	66,083	54,608
South Carolina	181,189	168,496	162,315	127,791	95,352	89,953
South Dakota	168,230	168,028	142,396	131,700	125,241	119,274
Tennessee	279,639	244,626	204,680	173,365	135,716	117,025
Texas	1,049,869	979,320	802,314	688,233	526,238	467,890
Utah	85,380	73,557	69,283	59,525	49,164	47,485
Vermont	74,063	69,576	61,179	52,776	43,881	37,265
Virginia	322,629	282,650	261,945	219,092	168,000	139,200
Washington	363,279	328,442	295,443	258,264	210,716	185,359
West Virginia	227,836	217,589	191,085	158,184	112,940	93,940
Wisconsin	662,282	594,366	525,221	457,271	382,542	341,841
Wyoming	49,883	47,711	43,639	39,831	30,637	26,867
U. S. total.....	22,052,559	19,940,724	17,612,940	15,102,105	12,273,599	10,493,666

U. S. MOTOR-VEHICLE REGISTRATIONS, BY STATES AND BY YEARS, 1914-1950¹—Continued

State	1920	1919	1918	1917	1916	1915	1914
Alabama	74,637	58,898	46,171	32,873	21,636	11,634	9,157
Arizona	34,601	28,979	23,905	19,890	12,300	7,753	5,040
Arkansas	59,082	49,450	41,458	28,693	15,000	8,021	5,642
California	583,623	479,097	408,462	314,800	232,440	163,795	123,504
Colorado	129,255	104,865	83,244	64,000	43,296	28,894	17,756
Connecticut	119,134	102,410	89,508	76,683	56,048	41,121	29,113
Delaware	18,300	16,152	12,955	10,700	7,102	5,052	3,050
District of Columbia	34,161	35,400	30,490	27,000	22,500	19,500	17,250
Florida	73,914	55,400	54,337	27,000	20,718	10,850	3,368
Georgia	146,000	137,000	104,676	70,324	46,025	25,000	20,915
Idaho	50,861	42,220	32,289	24,731	12,999	7,071	3,346
Illinois	568,924	478,438	389,620	340,292	248,429	180,832	131,140
Indiana	333,067	227,255	227,160	192,194	139,065	96,915	66,500
Iowa	437,378	364,043	278,313	254,462	198,587	145,109	106,087
Kansas	294,159	229,600	189,163	159,343	112,122	72,520	49,374
Kentucky	112,683	90,008	65,884	47,420	31,500	19,500	11,766
Louisiana	73,000	51,000	40,000	28,394	17,000	11,380	12,000
Maine	62,907	53,425	44,572	41,499	30,972	21,545	15,700
Maryland	102,841	95,634	77,793	63,994	44,245	31,047	20,213
Massachusetts	274,498	247,182	193,497	174,274	136,809	102,633	77,246
Michigan	412,717	325,813	262,125	247,006	160,052	114,845	76,389
Minnesota	324,166	259,741	204,458	192,000	138,000	93,269	67,862
Mississippi	68,486	59,000	48,400	36,600	25,000	9,669	5,694
Missouri	297,008	244,363	188,040	147,528	103,587	76,462	54,468
Montana	60,650	58,117	51,053	41,896	24,505	14,520	10,200
Nebraska	219,009	210,000	173,374	148,101	101,200	59,000	40,929
Nevada	10,464	9,305	8,159	7,160	4,919	2,009	1,487
New Hampshire	34,680	31,625	24,817	22,267	17,508	13,449	9,571
New Jersey	227,737	190,873	155,519	141,918	109,414	81,848	62,961
New Mexico	17,720	18,084	17,580	16,250	12,387	7,056	4,557
New York	676,205	566,511	461,506	406,016	314,222	255,242	168,223
North Carolina	140,860	109,017	72,313	55,950	33,904	21,000	14,677
North Dakota	90,840	82,885	71,678	56,993	40,446	24,908	17,347
Ohio	621,390	511,031	414,775	346,772	252,431	181,332	122,504
Oklahoma	212,880	144,500	121,500	100,199	52,718	25,032	13,500
Oregon	115,390	83,332	63,324	48,632	33,917	23,585	16,447
Pennsylvania	570,164	482,117	395,470	326,007	230,578	160,137	112,854
Rhode Island	50,477	44,833	36,218	37,046	21,406	16,362	12,331
South Carolina	93,843	70,143	55,492	38,332	25,000	15,000	14,000
South Dakota	120,395	104,628	90,521	67,158	44,271	28,724	20,929
Tennessee	101,852	80,422	63,000	48,000	30,000	26,200	19,769
Texas	427,693	331,310	251,118	192,961	125,000	40,000	40,000
Utah	42,616	35,236	32,273	24,076	13,507	9,177	2,253
Vermont	31,625	26,807	22,553	21,633	15,671	11,499	8,475
Virginia	115,470	94,100	72,228	55,661	35,426	21,357	13,984
Washington	173,920	148,775	118,254	91,337	60,734	38,823	30,253
West Virginia	80,664	50,203	38,750	31,300	20,571	13,279	6,159
Wisconsin	293,298	236,290	196,253	158,637	115,645	93,000	64,600
Wyoming	23,926	21,371	16,200	12,523	7,125	3,976	2,428
U. S. total	9,239,161	7,576,888	6,160,448	5,118,525	3,617,937	2,490,932	1,763,018

¹ Preliminary.

² Includes private and commercial automobiles (including taxicabs), buses, trucks, and truck tractors; as of Dec 31.

Authority: Bureau of Public Roads.

PUBLICLY OWNED VEHICLES IN THE UNITED STATES, 1949

(Calendar Year)

State	(Calendar Year)										Federal ²										State, County, and Municipal ³										All Publicly Owned Vehicles						
	Auto-mobiles					Motor-cycles					Trucks and Semi-trailers					Motor Vehicles					Trucks and Semi-trailers					Motor-cycles					Total Motor Vehicles Plus Trailers						
	Buses					Tractor Trucks					Total					Buses					Tractor Trucks					Total					Motor-cycles					Total Motor-cycles	
	389	545	54	716	1,340	34	16	1,374	...	1,374	1,283	3,071	4,943	3,071	4,943	2,074	3,664	221	105	9,519	10,637	10,893	10,893														
Alabama	389	545	54	716	1,340	34	16	1,374	...	1,374	1,283	3,071	4,943	3,071	4,943	2,074	3,664	221	105	9,519	10,637	10,893	10,893														
Arizona	545	54	716	1,340	1,304	1,903	16	1,374	...	1,919	1,038	552	2,074	3,664	2,074	3,664	221	66	3,951	5,870	5,870	5,870															
Arkansas	54	716	1,340	1,304	938	5	...	943	...	943	489	2,562	2,973	6,028	2,973	6,028	86	50	6,160	7,103	7,103	7,103															
California	2,132	733	13	1,627	6,583	48	30	2,405	...	16,783	884	800	32,980	50,563	3,718	2,363	56,644	57,146	63,279	63,279	63,279	63,279															
Colorado	733	13	1,627	2,373	2,373	30	2	2,405	...	884	800	32,980	50,563	3,718	2,363	56,644	57,146	63,279	63,279	63,279	63,279	63,279															
Connecticut	93	...	...	...	435	...	...	435	...	1,381	66	2,155	3,602	181	108	3,891	4,037	4,326	4,326	4,326	4,326	4,326										
Delaware	28	...	...	...	110	...	...	110	...	1,269	6	660	1,295	121	97	1,513	1,405	1,625	1,625	1,625	1,625	1,625										
District of Columbia	632	22	22	1,127	1,781	6	51	1,838	...	1,569	...	...	955	2,524	249	118	2,891	4,305	4,729	4,729	4,729	4,729													
Florida	448	...	...	...	1,372	14	...	1,386	...	2,372	1,938	6,324	10,634	691	291	11,606	12,006	12,992	12,992	12,992	12,992	12,992												
Georgia	567	...	...	...	1,843	7	...	1,850	...	870	1,532	4,700	7,102	130	239	7,471	8,945	9,321	9,321	9,321	9,321	9,321												
Idaho	279	...	...	...	1,388	21	...	1,409	...	481	390	2,257	3,128	142	16	3,286	4,516	4,695	4,695	4,695	4,695	4,695												
Illinois	732	35	35	2,061	2,828	5	...	2,833	...	4,006	2,167	8,960	15,133	381	571	16,085	17,961	18,918	18,918	18,918	18,918	18,918															
Indiana	240	...	...	...	757	4	...	761	...	2,782	955	5,539	9,276	423	226	9,925	10,633	10,886	10,886	10,886	10,886	10,886												
Iowa	164	...	...	...	597	1	...	598	...	1,665	2,575	6,131	10,371	829	74	11,273	10,968	11,872	11,872	11,872	11,872	11,872												
Kansas	204	...	...	...	793	6	...	799	...	1,940	743	5,775	8,458	...	...	8,458	9,251	9,257	9,257	9,257	9,257	9,257										
Kentucky	229	...	...	...	746	19	...	765	...	1,270	1,077	5,685	8,032	...	...	8,032	8,778	8,797	8,797	8,797	8,797	8,797										
Louisiana	368	...	...	...	1,028	7	...	1,036	...	1,783	91	1,864	3,738	75	49	3,862	4,766	4,898	4,898	4,898	4,898	4,898												
Maine	177	...	...	...	332	...	...	332	...	727	279	2,484	3,490	271	27	3,788	3,822	4,120	4,120	4,120	4,120	4,120										
Maryland	458	...	...	...	1,208	15	...	1,223	...	1,994	204	1,945	4,143	120	45	4,308	5,351	5,351	5,351	5,351	5,351	5,351												
Massachusetts	356	...	...	...	1,376	3	...	1,379	...	2,195	37	6,624	8,856	...	...	8,856	10,232	10,232	10,232	10,232	10,232	10,232										
Michigan	346	...	...	...	1,321	2	...	1,323	...	4,906	3,372	13,622	21,900	...	...	21,900	23,221	23,223	23,223	23,223	23,223	23,223										
Minnesota	375	...	...	...	1,099	17	...	1,116	...	1,342	1,720	5,270	8,332	453	123	8,908	9,431	10,024	10,024	10,024	10,024	10,024												
Mississippi	246	...	...	...	1,113	24	...	1,137	...	1,543	1,894	3,431	5,868	70	1	5,939	6,981	7,076	7,076	7,076	7,076	7,076												
Missouri	493	...	...	...	1,740	2	...	1,744	...	1,300	1,225	4,687	7,212	95	12	7,319	8,952	9,063	9,063	9,063	9,063	9,063												
Montana	833	...	...	...	2,353	9	...	2,362	...	557	148	2,484	3,189	166	4	3,359	5,542	5,721	5,721	5,721	5,721	5,721												
Nebraska	403	...	...	...	1,092	11	...	1,103	...	888	277	3,300	4,445	280	1	4,726	5,537	5,829	5,829	5,829	5,829	5,829												
Nevada	265	...	...	...	804	30	...	834	...	364	84	1,043	1,491	81	20	1,592	2,295	2,426	2,426	2,426	2,426	2,426												
New Hampshire	248	...	...	...	978	15	...	999	...	752	25	2,264	3,041	85	...	3,126	3,240	3,325	3,325	3,325	3,325	3,325												
New Jersey	246	...	...	...	978	15	...	993	...	4,517	...	...	13,590	...	...	14,064	14,568	15,057	15,057	15,057	15,057	15,057								
New Mexico	726	...	...	...	2,444	25	...	2,473	...	681	...	...	1,930	38	...	1,968	4,374	4,441	4,441	4,441	4,441	4,441										
New York	1,120	...	...	...	3,881	4	...	3,886	...	10,766	5,901	20,295	36,962	1,513	1,113	39,588	40,843	43,474	43,474	43,474	43,474	43,474												
North Carolina	282	...	...	...	1,129	11	...	1,140	...	1,898	7,141	8,487	17,522	1,732	126	19,384	18,655	20,524	20,524	20,524	20,524	20,524												
North Dakota	254	...	...	...	770	5	...	775	...	2,811	56	1,236	1,573	...	...	1,579	2,343	2,343	2,343	2,343	2,343	2,343										
Ohio	498	...	...	...	1,827	10	...	1,840	...	5,121	8,027	11,913	25,061	1,618	405	27,084	26,888	28,924	28,924	28,924	28,924	28,924												
Oklahoma	517	...	...	...	1,496	20	...	1,516	...	1,528	3,338	4,561	9,427	244	...	9,671	10,923	11,167	11,167	11,167	11,167	11,167												

PUBLICLY OWNED VEHICLES IN THE UNITED STATES, 1949—Continued

(Calendar Year)

State	(Calendar Year)										All Publicly Owned Vehicles			
	Federal ²					State, County, and Municipal ³						Total Motor Vehicles Plus Trailers and Motor cycles		
	Motor Vehicles					Motor Vehicles								
	Auto-mob-iles	Buses	Motor-cycles	Trailers and Semi-trailers	Total Federal	Auto-mob-iles	Buses	Tractor Trucks	Motor-vehicle Total	Trailers and Semi-trailers			Total State, County, and Municipal	
Oregon	623	13	1,302	1,938	4,399	6	1,974	1,307	3,719	8,756	416	9,172	10,694	11,146
Pennsylvania	651	19	1,511	2,181	4,191	3	2,189	1,913	18,042	27,681	1,084	29,266	29,862	31,455
Rhode Island	29	1	112	142	823	.....	1,45	52	1,118	2,11	28	2,224	2,253	2,369
South Carolina	195	6	564	765	1,27	.....	772	1,702	5,137	7,759	.....	7,823	8,524	8,595
South Dakota	281	38	665	984	1,314	.....	993	300	1,564	2,260	157	2,439	3,244	3,432
Tennessee	1,245	195	2,959	4,399	1,737	.....	4,503	1,361	4,378	7,396	.....	7,403	11,795	11,906
Texas	1,425	23	2,743	4,191	1,425	.....	4,240	7,106	15,808	27,822	967	29,155	32,013	33,395
Utah	357	4	823	1,184	1,219	.....	1,618	532	1,596	2,776	27	2,837	3,960	4,056
Vermont	75	1	127	203	206	.....	200	.....	582	782	.....	782	985	988
Virginia	409	14	1,314	1,737	1,760	10	6,683	1,901	3,915	12,499	705	13,580	14,236	15,340
Washington	1,632	490	3,943	6,065	6,120	2	3,670	1,815	8,563	14,048	430	14,758	20,113	20,878
West Virginia	176	3	345	524	525	.....	1,690	1,273	3,743	6,706	90	7,230	7,346	7,346
Wisconsin	223	11	646	880	1,758	.....	1,034	1,146	10,034	12,938	207	13,468	13,818	14,349
Wyoming	389	7	1,041	1,437	1,442	.....	394	256	1,261	1,911	153	2,064	3,348	3,506
U. S. total.....	23,285	1,354	53,968	78,607	79,442	101	117,686	72,573	281,479	471,738	18,514	499,130	550,345	578,572

² Only the vehicles of the civilian branches of the federal government are given. Vehicles of the military services are not included.

³ Data compiled chiefly from reports of state authorities; in many cases they are incomplete. For states not reporting, data have been estimated.

⁴ Includes 1,284 automobiles of the diplomatic corps.

Authority: Bureau of Public Roads.

Automobile Production Reaches New High

MOTOR-VEHICLE PRODUCTION AND USE, BY YEARS

Motor-Vehicle Production								
Year	Passenger Cars		Motor Trucks		Total Number (Thousands)	Wholesale Value (Millions of Dollars)	Number of Motor- Vehicle Dealers (as of December 31)	All Vehicle- Miles Traveled (Billions)
	Number (Thousands)	Wholesale Value (Millions of Dollars)	Number (Thousands)	Wholesale Value (Millions of Dollars)				
1949....	5,119	6,768	1,134	1,407	6,254	8,176	45,883	425 ¹
1948....	3,909	4,853	1,376	1,858	5,285	6,712	43,004	398
1947....	3,558	3,964	1,240	1,710	4,798	5,674	40,410	371
1946....	2,149	1,980	941	1,043	3,090	3,023	36,354	341
1945....	70	57	656	1,182	726	1,239	32,439	249
1944....	1	(⁴)	738	1,701	738	1,701	31,930	212
1943....	(³)	(⁴)	700	1,452	700	1,452	33,000	207
1942....	223	164	819	1,427	1,042	1,591	34,270	267
1941....	3,780	2,567	1,061	1,070	4,841	3,637	40,537	333
1940....	3,717	2,371	755	568	4,472	2,938	41,790	302
1939....	2,867	1,765	710	495	3,577	2,260	41,870	285
1938....	2,001	1,237	488	334	2,489	1,571	41,992	271
1937....	3,916	2,244	893	534	4,809	2,778	46,224	270
1936....	3,670	2,016	785	463	4,454	2,478	43,461	252
1935....	3,252	1,709	695	379	3,947	2,089	41,201	(²)
1934....	2,178	1,147	575	320	2,753	1,467	37,238	(²)
1933....	1,574	763	347	186	1,920	949	35,265	(²)
1932....	1,135	618	235	136	1,371	754	39,370	(²)
1931....	1,973	1,111	417	262	2,390	1,374	43,708	216
1930....	2,785	1,645	571	389	3,356	2,035	48,658	(²)
1929....	4,587	2,847	771	566	5,358	3,413	52,588	(²)
1928....	3,815	2,576	543	437	4,359	3,014	51,471	(²)
1927....	2,937	2,165	465	420	3,401	2,585	(²)	(²)
1926....	3,784	2,640	517	452	4,301	3,092	(²)	141
1925....	3,735	2,458	531	458	4,266	2,917	(²)	(²)
1924....	3,186	1,970	417	319	3,603	2,289	46,072	(²)
1923....	3,624	2,196	409	309	4,034	2,505	(²)	(²)
1922....	2,274	1,495	270	226	2,544	1,721	(²)	(²)
1921....	1,468	1,038	148	166	1,616	1,204	(²)	55
1920....	1,906	1,809	322	423	2,227	2,232	(²)	(²)
1919....	1,652	1,365	225	371	1,876	1,737	30,771	(²)
1914....	548	421	25	44	573	465	17,353	(²)
1909....	124	160	3	5	127	165	8,402	(²)
1904....	22	23	1	1	23	25	(²)	(²)

¹ Preliminary.

² Not available.

³ Less than 500.

⁴ Less than \$500,000.

Authority: Automobile Facts and Figures.

AVERAGE CONSUMPTION OF MOTOR FUEL BY U. S. MOTOR VEHICLES, BY YEARS, 1925-1949

Year	Passenger Cars			Motor Trucks			Buses			Total Motor Vehicles		
	Average Number in Use (Thousand Vehicles)	Average Consumption Per Vehicle (Gallons)	Motor-Fuel Consumption (Thousand Gallons)	Average Number in Use (Thousand Vehicles)	Average Consumption Per Vehicle (Gallons)	Motor-Fuel Consumption (Thousand Gallons)	Average Number in Use (Thousand Vehicles)	Average Consumption Per Vehicle (Gallons)	Motor-Fuel Consumption (Thousand Gallons)	Average Number in Use (Thousand Vehicles)	Average Consumption Per Vehicle (Gallons)	Motor-Fuel Consumption (Thousand Gallons)
1949.....	34,886	22,611,000	648	7,767	8,721,000	1,123	196	969,000	42,849	32,301,000	754	32,301,000
1948.....	32,092	21,369,000	666	7,165	8,189,000	1,143	189	780,000	39,446	30,338,000	769	30,338,000
1947.....	29,529	20,086,000	680	6,390	7,243,000	1,133	178	778,000	36,097	28,107,000	779	28,107,000
1946.....	26,948	18,541,129	693	5,726	6,826,923	1,192	172	826,948	32,846	26,195,000	800	26,195,000
1945.....	25,641	12,901,318	503	4,834	5,925,682	1,226	163	800,000	30,638	19,627,000	641	19,627,000
1944.....	25,214	10,600,000	420	4,713	5,416,009	1,149	158	798,991	30,085	16,815,000	559	16,815,000
1943.....	25,428	10,448,532	410	4,633	5,103,168	1,101	154	764,400	30,215	16,316,100	540	16,316,100
1942.....	26,947	13,774,404	511	4,801	5,420,646	1,129	148	739,200	31,896	19,934,250	625	19,934,250
1941.....	27,709	17,963,820	648	4,788	6,058,374	1,265	143	630,000	32,640	24,652,194	755	24,652,194
1940.....	25,386	15,917,704	623	4,532	5,646,228	1,246	139	571,200	30,057	22,035,132	733	22,035,132
1939.....	24,343	15,071,448	619	4,341	5,176,878	1,193	135	516,600	28,819	20,764,926	721	20,764,926
1938.....	23,875	14,385,462	603	4,158	4,670,274	1,123	132	494,130	28,165	19,549,866	694	19,549,866
1937.....	23,436	14,326,620	611	3,993	4,605,846	1,153	127	480,900	27,556	19,413,366	705	19,413,366
1936.....	22,008	13,503,546	614	3,729	4,055,352	1,088	121	443,520	25,858	18,002,418	696	18,002,418
1935.....	20,760	12,290,292	592	3,471	3,553,410	1,024	113	409,500	24,344	16,253,202	668	16,253,202
1934.....	20,127	11,620,812	577	3,282	3,191,916	973	107	404,880	23,516	15,217,608	647	15,217,608
1933.....	19,510	10,843,476	566	3,176	2,824,290	889	106	424,620	22,792	14,092,386	618	14,092,386
1932.....	19,912	10,823,528	544	3,161	2,710,596	858	106	442,260	23,179	13,976,382	603	13,976,382
1931.....	20,855	11,626,776	558	3,227	2,971,332	921	104	481,656	24,186	15,079,764	623	15,079,764
1930.....	21,306	11,354,574	533	3,241	2,945,880	909	100	457,170	24,647	14,757,624	599	14,757,624
1929.....	20,533	10,780,758	525	3,092	2,870,532	928	95	394,548	23,720	14,054,838	593	14,054,838
1928.....	19,026	9,584,874	502	2,905	2,552,088	879	90	304,416	22,021	12,411,378	564	12,411,378
1927.....	18,414	8,651,286	470	2,763	2,326,674	842	84	229,236	21,261	11,207,196	527	11,207,196
1926.....	17,120	7,612,038	445	2,683	2,075,640	774	80 s	195,258	19,883	9,882,936	497	9,882,936
1925.....	15,453	6,507,396	421	2,372	1,810,368	763	70 s	142,422	17,895	8,460,186	473	8,460,186

^s Excludes diesels.
^a Estimated.

Authority: Calculated by American Petroleum Institute from data of: Bureau of Mines; Bureau of Public Roads; Public Roads Administration, Automobile Manufacturers Association, *Bus Transportation*.

More Than 3,600,000 Tractors Increase Farm Efficiency

TRACTORS ON U. S. FARMS

State	July 1, 1950 ¹	July 1, 1949 ¹	July 1, 1948 ³	July 1, 1947 ³	July 1, 1946 ³	January 1, 1945 ⁴	January 1, 1942 ⁴	April 1, 1940 ⁵	April 1, 1938 ²	April 1, 1937 ²	April 1, 1936 ²	1930 ⁶
Alabama	34,700	32,098	27,125	20,577	14,611	11,900	8,900	7,638	8,996	7,779	6,875	4,664
Arizona	8,432	8,791	8,029	7,219	6,763	6,300	5,400	4,129	4,925	4,465	3,911	2,558
Arkansas	54,333	48,088	40,601	30,544	20,617	19,200	15,400	12,564	12,890	11,358	9,710	5,684
California	170,972	105,663	97,404	86,066	72,631	68,000	60,000	55,191	63,481	55,766	55,192	44,437
Colorado	44,996	40,598	37,484	28,981	28,981	27,000	24,700	21,423	17,151	15,514	15,149	13,334
Connecticut	17,047	16,147	13,666	11,113	8,366	7,800	6,500	5,349	4,359	4,013	3,621	2,667
Delaware	7,689	7,013	6,214	5,276	4,404	4,100	3,500	2,661	3,188	2,763	2,425	1,600
District of Columbia												
Florida	32,270	22,638	16,015	14,721	11,700	10,900	9,000	7,703	10,292	9,559	8,357	5,244
Georgia	52,323	46,654	44,120	32,782	15,685	14,600	10,700	9,307	11,634	10,122	9,840	5,870
Idaho	35,623	31,537	28,419	23,342	17,207	16,000	13,700	11,103	8,063	6,412	5,912	4,691
Illinois	232,480	221,911	207,381	200,411	173,597	163,000	148,900	126,069	138,192	124,882	108,007	69,626
Indiana	145,796	136,142	127,368	120,947	102,509	95,500	85,900	73,231	82,013	73,643	63,726	41,979
Iowa	246,239	232,344	217,259	207,482	180,436	168,000	153,700	128,516	125,308	113,108	97,608	66,258
Kansas	153,162	148,791	139,981	134,149	121,302	113,000	106,800	95,139	91,801	83,881	79,831	66,275
Kentucky	44,735	40,864	36,614	29,974	18,029	16,800	13,800	11,927	11,662	9,747	9,005	7,322
Louisiana	30,978	27,776	25,035	20,275	15,232	14,200	11,300	9,476	10,940	9,507	8,184	5,016
Maine	26,304	22,980	20,712	16,936	12,229	11,300	10,000	8,093	4,720	4,314	4,004	3,410
Maryland	33,069	28,946	26,305	21,664	17,583	16,400	14,000	10,335	12,189	10,882	9,815	7,208
Massachusetts	25,808	22,768	20,269	16,116	10,834	10,200	8,700	7,335	5,921	5,469	5,010	3,921
Michigan	165,949	157,850	144,257	126,418	95,395	88,800	79,500	66,524	55,994	49,896	45,040	34,579
Minnesota	213,578	198,631	186,117	174,675	147,526	137,400	128,000	105,075	81,132	72,509	65,419	48,457
Mississippi	40,467	34,213	31,194	24,449	16,962	15,900	10,577	10,577	14,703	12,379	10,393	5,542
Missouri	124,061	112,281	104,371	87,222	66,388	61,700	53,300	45,155	48,404	42,634	37,572	24,999
Montana	43,339	40,448	38,070	36,357	32,846	30,500	28,300	22,557	21,935	21,255	20,648	19,031
Nebraska	126,989	121,636	112,558	109,287	95,386	89,000	82,900	70,761	64,959	58,807	56,107	40,729
Nevada	3,857	3,605	3,307	1,945	1,509	1,400	1,080	681	436	407	393	360
New Hampshire	11,176	9,628	8,895	8,056	4,849	4,500	4,000	3,129	1,557	1,468	1,360	1,096
New Jersey	31,692	29,184	25,157	22,503	18,915	17,600	14,900	12,920	12,024	11,012	10,134	8,088
New Mexico	19,430	16,480	15,137	12,131	9,034	8,400	7,200	5,832	4,362	4,078	3,619	2,497
New York	142,736	128,129	119,414	106,913	83,477	77,700	66,400	58,908	59,627	55,197	50,807	40,369
North Carolina	63,930	58,457	52,709	35,552	22,324	20,800	18,000	12,768	19,076	15,070	16,112	11,426
North Dakota	106,981	100,119	92,480	83,380	64,515	60,000	54,100	49,381	48,977	47,289	45,129	37,605
Ohio	199,689	168,758	159,194	149,163	126,151	118,700	105,000	89,999	91,821	73,751	66,471	52,974
Oklahoma	102,000	95,704	89,408	80,532	64,514	60,000	53,200	45,369	41,499	36,894	35,004	25,962
Oregon	46,406	40,761	38,099	33,602	24,693	23,000	20,000	17,077	13,079	11,312	10,475	9,938
Pennsylvania	144,517	132,233	123,209	106,088	80,069	74,300	63,500	54,842	46,740	42,258	42,258	33,538
Rhode Island	3,580	3,320	2,865	2,223	1,713	1,600	1,200	1,008	940	853	780	560
South Carolina	31,320	25,867	22,031	14,165	9,007	8,400	6,500	4,791	5,996	5,229	4,716	3,462
South Dakota	93,981	89,218	77,210	71,937	56,870	53,000	48,400	44,154	43,476	41,643	40,833	33,837

TRACTORS ON U. S. FARMS—Continued

State	July 1, 1950 ¹	July 1, 1948 ²	July 1, 1947 ³	July 1, 1946 ³	January 1, 1945 ⁴	January 1, 1942 ⁴	April 1, 1940 ⁵	April 1, 1938 ¹	April 1, 1937 ²	April 1, 1936 ¹	1930 ⁵
Tennessee	46,901	39,285	27,227	19,451	18,100	15,200	11,817	12,269	10,444	9,406	6,895
Texas	227,535	220,296	186,089	150,675	140,000	123,900	98,923	98,966	88,306	73,981	37,348
Utah	13,721	12,030	11,071	4,938	4,600	3,700	3,041	2,958	2,123	1,821	1,428
Vermont	14,509	13,139	10,991	8,331	5,274	4,900	3,566	3,419	3,216	2,987	2,426
Virginia	44,504	38,015	27,071	17,358	16,200	12,900	11,951	12,971	11,803	11,209	9,757
Washington	49,839	47,491	36,665	26,869	25,000	21,900	18,019	12,372	10,740	10,038	8,388
West Virginia	12,425	11,132	9,745	5,250	4,900	4,000	3,656	3,634	3,489	3,257	2,752
Wisconsin	180,848	167,155	154,097	110,100	102,500	93,800	81,195	76,232	70,429	62,512	50,173
Wyoming	16,162	14,813	12,319	9,115	8,400	7,500	6,534	5,251	4,715	4,539	4,110
U. S. total.....	3,375,919	3,114,236	2,777,276	2,223,953	2,071,540	1,843,910	1,567,430	1,527,989	1,382,893	1,248,337	920,021

¹ Estimates by *Farm Implement News*.

² Estimates by *Implement and Tractor*.

³ Estimates by U. S. Department of Agriculture except District of Columbia, which was estimated by the American Petroleum Institute.

⁴ From Bureau of the Census.

Authority: See footnotes.

Tractors Account for Bulk of Non-highway Use of Gasoline

PETROLEUM FUELS CONSUMED BY TRACTORS ON U. S. FARMS,¹ BY YEARS, 1940-1950

Year	Total Tractors on Farms ² As of January 1 (Thousands)	Tractor-Fuel Consumption (Millions of Gallons)			Total Fuel Consumption
		Gasoline	Kerosine	All Other Fuels	
1950 ¹	3,825	3,070	80	800	3,950
1949.....	3,500	2,870	80	650	3,600
1948.....	3,150	2,620	81	579	3,280
1947.....	2,800	2,372	82	526	2,980
1946.....	2,585	1,985	83	479	2,547
1945.....	2,422	1,750	83	455	2,288
1944.....	2,215	1,625	83	460	2,168
1943.....	2,100	1,455	84	442	1,981
1942.....	1,885	1,265	84	412	1,761
1941.....	1,675	1,080	84	367	1,531
1940.....	1,545	965	84	350	1,399

¹ Preliminary.

² Actual surveys made by U. S. Department of Agriculture in 1940 and 1947. Estimates for other years are based on these figures.

³ Includes garden tractors after 1945.

Authority: U. S. Department of Agriculture.

More Than Two Million Tractors Sold in Past Four Years

U. S. SALES OF TRACTORS AND NUMBER IN USE ON U. S. FARMS, BY YEARS, 1929-1950

Year	Annual Sales ¹ (Units)	Number in Use ² (Thousands)
1950 ¹.....	.....	3,825
1949.....	599,548	3,500
1948.....	625,413	3,150
1947.....	539,312	2,800
1946.....	336,073	2,585
1945.....	252,086	2,422
1944.....	263,594	2,215
1943.....	120,233	2,100
1942.....	197,406	1,885
1941.....	323,918	1,675
1940.....	240,694	1,545 ⁴
1939.....	179,460	1,447
1938.....	163,924	1,368
1937.....	247,370	1,231
1936.....	184,973	1,125
1935.....	137,050	1,048
1934 ⁵.....	.....	1,016
1933 ⁵.....	.....	1,019
1932 ⁵.....	.....	1,022
1931.....	93,632	997
1930.....	132,749	920
1929.....	160,042	827

¹ Preliminary.

² Sales by manufacturers; some sales for other than farm use.

³ Number in use on U. S. farms as of Jan. 1. Includes garden tractors after 1945.

⁴ Bureau of the Census total (as of Apr. 1) 1,567,430.

⁵ Census was not taken.

Authority: U. S. Department of Agriculture.

U. S. MOTOR-FUEL CONSUMPTION BY AIRCRAFT

(Gallons)

Year	Scheduled Airline Flying			Civil (Private) Flying	Total Civil and Commercial Flying	Govern- ment Aircraft Flying ²	Total Aircraft Con- sumption
	Domestic	Inter- national	Total				
1949 ¹	375,338,747	142,498,118	517,308,833	(3)	(3)	(3)	(3)
1948.....	332,423,553	123,403,583	455,827,136	179,368,000 ¹	635,195,136	(3)	(3)
1947.....	294,196,130	102,723,690	396,919,820	156,668,000	553,587,820	(3)	(3)
1946.....	236,388,751	59,543,323	295,932,074	98,576,000	394,508,074	(3)	(3)
1945.....	134,824,120	25,086,866	159,910,986	(3)	(3)	(3)	(3)
1944.....	89,513,646	15,648,426	105,162,072	(3)	(3)	(3)	(3)
1943.....	65,025,412	13,760,354	78,785,766	(3)	(3)	(3)	(3)
1942.....	68,908,271	16,811,959	85,720,230	24,900,000	110,620,230	(3)	(3)
1941.....	81,657,020	11,302,376	92,959,396	29,300,000	122,259,396	(3)	(3)
1940.....	65,674,895	8,860,034	74,534,929	22,400,000	96,934,929	(3)	(3)
1939.....	47,196,559	8,740,576	55,937,135	16,394,335	72,331,470	(3)	(3)
1938.....	37,722,669	7,587,523	45,310,192	10,201,053	55,511,245	44,937,128 ⁵	100,448,373
1937.....	33,961,273	7,463,111	41,424,384	10,618,240	52,042,624	36,209,123 ⁵	88,251,747
1936.....	30,646,408	6,507,413	37,153,821	10,451,496	47,605,317	31,758,397 ⁵	79,363,714
1935.....	27,312,855	5,947,754	33,260,609	11,104,259	44,364,868	29,319,412 ⁴	73,684,280
1934.....	18,925,141	6,211,133	25,136,274	9,630,869	34,767,143	23,647,113	58,414,256
1933.....	21,893,630	4,433,166	26,326,796	8,861,104	35,187,900	21,835,526	57,023,426
1932.....	19,766,173	3,920,775	23,686,948	10,293,599	33,980,547	20,077,884	54,058,431

¹ Preliminary.

² U. S. Army, Navy, and Coast Guard; Civil Aeronautics Administration.

³ Not available.

⁴ Consumption estimated for one government department.

⁵ Consumption estimated for one government bureau.

Authority: Civil Aeronautics Administration; Civil Aeronautics Board.

U. S. LUBRICATING-OIL CONSUMPTION BY AIRCRAFT, BY YEARS, 1932-1949

(Gallons)

Year	Scheduled Airline Flying			Civil Private Flying ²	Total Civil and Commercial Flying	Govern- ment Aircraft Flying ⁴	Total Aircraft Con- sumption
	Domestic	Inter- national	Total				
1949.....	4,702,712	1,649,016	6,351,728	(3)	(3)	(3)	(3)
1948.....	4,250,151	1,296,952	5,547,103	3,986,000	9,533,103	(3)	(3)
1947.....	3,733,728	1,224,810	4,958,538	3,482,000	8,440,538	(3)	(3)
1946.....	2,876,250	767,569	3,643,819	2,191,000	5,834,819	(3)	(3)
1945.....	1,709,566	315,930	2,025,496	(3)	(3)	(3)	(3)
1944.....	1,266,741	243,836	1,510,577	(3)	(3)	(3)	(3)
1943.....	894,262	242,577	1,136,839	(3)	(3)	(3)	(3)
1942.....	1,008,371	329,154 ²	1,337,525	734,000	2,071,525	(3)	(3)
1941.....	1,282,064	276,454 ²	1,558,518	866,000	2,424,518	(3)	(3)
1940.....	1,104,289	183,518	1,287,807	660,000	1,947,807	(3)	(3)
1939.....	736,221	184,975	921,196	460,189	1,381,385	(3)	(3)
1938.....	654,377	175,493	829,870	287,875	1,117,745	1,273,656 ⁶	2,391,401
1937.....	637,435	207,135	844,570	310,851	1,155,421	1,120,140 ⁶	2,275,561
1936.....	680,335	192,937	873,272	316,502	1,189,774	1,011,363 ⁶	2,201,137
1935.....	712,640	167,135	879,775	334,420	1,214,195	1,078,030 ⁶	2,292,225
1934.....	668,906	169,850	838,756	348,985	1,187,741	970,547	2,158,288
1933.....	806,208	118,203	924,411	368,681	1,293,092	706,367	1,999,459
1932.....	588,238	113,783	702,021	411,744	1,113,765	455,763	1,569,528

² Estimated.

³ Not available.

⁴ U. S. Army, Navy, and Coast Guard; Civil Aeronautics Administration.

⁵ Estimated for one government department.

⁶ Estimated for one government bureau.

Authority: Civil Aeronautics Administration.

U. S. CONSUMPTION ¹ OF FUEL AND LUBRICANTS IN CIVIL FLYING, BY YEARS, 1926-1948

(Excluding Scheduled Air Carriers)

Year	Gasoline (Gallons)	Lubricants (Gallons)
1948.....	179,368,000 ¹	3,986,000
1947.....	156,668,000	3,482,000
1946.....	98,576,000	2,191,000
1945.....	(³)	(³)
1944.....	(³)	(³)
1943.....	(³)	(³)
1942.....	24,900,000	734,000
1941.....	29,300,000	866,000
1940.....	22,400,000	660,000
1939.....	16,394,335	460,189
1938.....	10,201,053	287,875
1937.....	10,618,240	310,851
1936.....	10,451,496	316,502
1935.....	11,104,259	334,420
1934.....	9,630,869	348,985
1933.....	8,861,104	368,681
1932.....	10,293,599	411,744
1931.....	11,658,009	535,689
1930.....	13,981,331	700,567
1929.....	14,235,243	711,765
1928.....	7,764,702	388,235
1927.....	3,882,351	194,118
1926.....	2,426,028	121,301

¹ Preliminary.

² Estimated.

³ Not available.

Authority: Civil Aeronautics Administration.

Scheduled Airlines Use Over One Million Gallons of Avgas Daily

U. S. CONSUMPTION OF FUEL AND LUBRICANTS IN SCHEDULED AIR-CARRIER OPERATIONS, BY YEARS, 1926-1949 ²

Year	Gasoline (Gallons)	Lubricants (Gallons)
1949.....	375,338,747	4,702,712
1948.....	332,423,553	4,250,151
1947.....	294,196,130	3,733,728
1946.....	236,388,751	2,876,250
1945.....	134,824,120	1,709,566
1944.....	89,513,646	1,266,741
1943.....	65,025,412	894,262
1942.....	68,908,271	1,008,371
1941.....	81,657,020	1,282,064
1940.....	65,674,895	1,104,289
1939.....	47,196,559	737,221
1938.....	37,722,669	654,377
1937.....	33,961,273	637,435
1936.....	30,646,408	680,335
1935.....	27,312,855	712,640
1934.....	18,925,141	668,906
1933.....	21,893,630	806,208
1932.....	19,766,173	588,238
1931.....	16,319,923	547,354
1930.....	12,297,618	357,921
1929.....	5,595,240	279,761
1928.....	2,091,065	104,071
1927.....	1,156,017	57,801
1926.....	863,617	43,181

² All figures incomplete; include only gallonage reported to Civil Aeronautics Administration.

Authority: 1926 through 1942, Civil Aeronautics Administration; 1943 through 1949,
Civil Aeronautics Board.

Almost 5 Million Homes Centrally Heated by Oil

U. S. SALES OF DOMESTIC² OIL BURNERS AND NUMBER IN USE, BY YEARS, 1921-1950

Year	Number of Burners in Use at Beginning of Year	Annual Sales			Net Increase ³	Average Number in Use during the Year
		Conversion Burners	Boiler-Burner Units	Furnace-Burner Units		
1950.....	4,490,535					
1949.....	3,975,773	440,726	55,324	118,662	514,762	4,233,200
1948.....	3,650,514	312,170	42,785	100,290	325,259	3,813,100
1947.....	2,821,044	669,615	63,054	155,414	829,470	3,235,800
1946.....	2,517,055	408,861	45,130	38,602	492,593	2,669,100
1945.....	2,392,265	119,680	9,027	16,889	145,596	2,454,700
1944.....	2,375,455	37,885	6,440	5,590	49,915	2,383,900
1943.....	2,386,290	21,363	6,637	5,445	10,835	2,380,900
1942.....	2,402,060	71,658	9,313	18,543	15,770	2,394,200
1941.....	2,135,125	237,965	39,990	55,295	266,935	2,268,600
1940.....	1,862,330	238,845	26,955	36,410	272,795	1,998,700
1939.....	1,667,745	200,020	19,220	16,900	194,585	1,765,000
1938.....	1,530,545	153,850	14,220	11,290	179,360	1,599,100
1937.....	1,340,675	184,920	14,430	11,390	210,740	1,435,600
1936.....	1,152,125	197,430	15,025	7,620	220,075	1,246,400
1935.....	1,012,870	136,825	10,510	3,175	150,510	1,082,500
1934.....	914,280	98,990	9,300	813	109,103	963,600
1933.....	831,120	80,800	7,800	625	89,225	875,700
1932.....	747,300	86,200	3,000	....	89,200	802,000
1931.....	648,500	....	....	....	104,000 ⁴	712,900
1930.....	547,500 ⁵	....	....	....	126,400 ⁵	606,300
1929.....	424,100	....	....	....	131,300	485,800
1928.....	322,000	....	....	....	107,500	373,100
1927.....	243,100	....	....	....	82,700	282,600
1926.....	177,400	....	....	....	77,700	210,300
1925.....	178,700	....	....	....	45,200	178,000
1924.....	99,800	....	....	....	79,700	139,200
1923.....	56,800	....	....	....	43,000	78,300
1922.....	21,500	....	....	....	35,300	39,150
1921.....	12,500	....	....	....	9,000	17,000

² Automatic-power oil burners used for household heating.

³ Annual sales less scrapping during the year.

⁴ Prior to 1932 sales consisted largely of conversion burners.

⁵ Figures for burners in use and sales, 1921 through 1930, are from Oil Burner Inst.

Authority: Basic data, Fueloil and Oil Heat; average, calculated.

Over 400,000 Commercial and Industrial Oil Burners in Use

U. S. SALES OF COMMERCIAL AND INDUSTRIAL² OIL BURNERS AND NUMBER IN USE, BY YEARS, 1935-1950

Year	Number of Burners in Use at Beginning of Year	Annual Sales	Average Number in Use during the Year
1950.....	414,310	....	....
1949.....	393,550	25,220	403,900
1948.....	369,210	28,433	381,400
1947.....	325,310	48,780	347,300
1946.....	288,812	40,498	307,100
1945.....	286,680	30,515	287,700
1944.....	285,045	30,705	285,900
1943.....	293,120	44,470	289,100
1942.....	287,595	55,360	290,400
1941.....	256,320	34,750	272,000
1940.....	237,680	20,710	247,000
1939.....	222,880	16,445	230,300
1938.....	210,275	13,955	216,600
1937.....	192,830	19,380	191,600
1936.....	176,240	18,435	184,500
1935.....	....	14,990	....

² Large automatic-power oil burners used for commercial and industrial space heating commonly use No. 5 and 6 heating oils, but other residual fuel-oil consumption also partly is included in fuel demand by these burners.

Authority: Number in use and annual sales, Fueloil and Oil Heat; average, calculated.

U. S. SHIPMENTS OF PETROLEUM-FUELED DOMESTIC COOKING AND HEATING STOVES, 1944-1949

Type	1949	1948	1947	1946	1945	1944
Cooking stoves and ranges:						
Kerosine, gasoline, and fuel-oil.....	185,939	466,777	559,579	516,308	513,670	380,987
Combination ranges ²	87,022	128,585	171,517	115,652	59,848	68,369
Miscellaneous cooking appliances:						
Portable and drum ovens.....	202,825	352,648	555,732	499,031	519,608	428,309
Needle-valve stoves; miscellaneous kerosine, gasoline, ³ and fuel-oil stoves	808,064	911,950	862,319	648,299	325,866	253,248
Total stoves and ranges	1,283,850	1,859,960	2,149,147	1,779,290	1,418,992	1,130,913
Heating stoves:						
Kerosine, gasoline, and fuel-oil.....	741,412	1,234,865	1,996,249	1,006,174	357,831 ⁴	127,005 ⁴
Portable kerosine heaters.....	513,157	704,828	415,967	312,878	221,294	209,806
Total	2,538,419	3,799,653	4,561,363	3,098,342	1,998,117	1,467,724

² Includes some combination gas and coal ranges which amounted to 16 per cent of the total for the period Aug. through Dec. 1946.

³ Includes trailer, gasoline-pressure, and camp stoves, etc.

⁴ The data for 1944 through Sept. 1945 are based on reports to the War Production Board.

Authority: Bureau of the Census

More Than Half of All Automatic Domestic Central-Heating Equipment Fueled by Oil

U. S. AUTOMATIC DOMESTIC ² CENTRAL-HEATING EQUIPMENT IN USE, BY YEARS, 1931-1950

January 1	Oil Burners	Coal Stokers ³	Gas-fired Installations	Total Automatic Installations
1950.....	4,490,535	1,235,560	3,118,660	8,844,755
1949.....	3,975,773	1,238,225	2,538,500	7,752,498
1948.....	3,650,514	1,186,195	2,297,000	7,133,709
1947.....	2,821,044	1,160,755	2,027,548	6,009,347
1946.....	2,517,055	1,029,150	1,433,570	4,979,775
1945.....	2,392,265	925,435	1,382,430	4,700,130
1944.....	2,375,455	894,330	1,363,970	4,633,755
1943.....	2,386,290	877,455	1,352,040	4,615,785
1942.....	2,402,060	802,345	1,310,222	4,514,627
1941.....	2,135,125	637,695	1,187,486	3,960,306
1940.....	1,862,330	....	....	....
1939.....	1,667,745	....	....	....
1938.....	1,530,545	....	....	....
1937.....	1,340,675	....	....	....
1936.....	1,152,125	....	....	....
1935.....	1,012,870	....	....	....
1934.....	914,280	....	....	....
1933.....	831,120	....	....	....
1932.....	747,300	....	....	....
1931.....	648,500	....	....	....

² Conversion, boiler-unit, and furnace-unit installations in household central-heating systems. In addition there are approximately 6,000,000 oil-burning space heaters and approximately 4,000,000 gas-burning space heaters in use.

³ Includes some small commercial coal stokers.

Authority: Fueloil and Oil Heat.

Oil-Burner Sales Reflect Public Preference for Oil Heat

U. S. SALES OF AUTOMATIC DOMESTIC CENTRAL-HEATING EQUIPMENT,² BY YEARS, 1930-1949

Year	Domestic Oil Burners	Domestic Coal Stokers ³	Domestic Gas-Heating Installations	Total Domestic Automatic Heating Installations
1949	614,712	26,979	592,000	1,233,691
1948	455,245	70,859	271,500	797,604
1947	888,083	56,736	322,000	1,266,819
1946	492,593	171,348	662,500	1,326,441
1945	145,596	93,047	56,818	295,461
1944	49,915	2,164	20,510	72,589
1943	33,445	4,932	13,255	51,632
1942	99,514	75,315	46,465	221,294
1941	333,250	175,844	136,385	645,479
1940	302,210	136,004	88,554	526,768
1939	236,140	....	....	....
1938	179,360	....	....	....
1937	210,740	....	....	....
1936	220,075	....	....	....
1935	150,510	....	....	....
1934	108,290	....	....	....
1933	88,600	....	....	....
1932	89,200	....	....	....
1931	104,000	....	....	....
1930	126,400	....	....	....

² Conversion, boiler-unit, and furnace-unit installations in household central-heating systems.
³ Class I, up to 60 lb of coal an hour.

Authority: Fueloil and Oil Heat.

ANALYSIS OF DISTRIBUTION OF VAPORIZING POT-TYPE CENTRAL-HEATING PLANTS, BY STATES

State	First Half 1950 ²		January 1, 1946 through June 30, 1950	
	Units	Per Cent of U. S. Total	Units	Per Cent of U. S. Total
Alabama	7	0.08	371	0.29
Arizona	9	0.10	147	0.12
Arkansas	15	0.16	40	0.03
California	25	0.27	2,159	1.71
Colorado	28	0.30	1,013	0.80
Connecticut	201	2.17	2,158	1.71
Delaware	46	0.50	647	0.51
District of Columbia	15	0.16	1,502	1.19
Florida	121	1.30	3,730	2.95
Georgia	14	0.15	1,728	1.37
Idaho	17	0.18	697	0.55
Illinois	855	9.21	8,052	6.37
Indiana	501	5.40	7,950	6.29
Iowa	537	5.73	2,914	2.31
Kansas	18	0.19	337	0.27
Kentucky	20	0.22	858	0.68
Louisiana	53	0.57	259	0.20
Maine	20	0.22	741	0.59
Maryland	770	8.30	1,215	0.96
Massachusetts	869	9.36	7,291	5.77
Michigan	431	4.64	15,041	11.90
Minnesota	97	1.04	7,000	5.54
Mississippi	31	0.33	64	0.05
Missouri	77	0.83	2,918	2.31
Montana	43	0.46	1,225	0.97
Nebraska	30	0.32	2,358	1.87
Nevada	900	9.70	272	0.21
New Hampshire	2	0.02	627	0.50
New Jersey	212	2.28	6,267	4.96
New Mexico	144	1.55	33	0.03
New York	108	1.16	6,126	4.85
North Carolina	307	3.31	2,295	1.82
North Dakota	2	0.02	1,715	1.36
Ohio	398	4.29	5,719	4.52
Oklahoma	238	2.56	117	0.09
Oregon	78	0.84	2,606	2.06
Pennsylvania	32	0.35	10,366	8.20
Rhode Island	107	1.15	897	0.71
South Carolina	23	0.25	447	0.35
South Dakota	1	0.01	815	0.64
Tennessee	3	0.03	1,041	0.82
Texas	24	0.26	31	0.02
Utah	1,283	13.82	1,305	1.03
Vermont	266	2.87	304	0.24
Virginia	266	2.87	3,695	2.92
Washington	266	2.87	2,756	2.18
West Virginia	303	3.26	577	0.46
Wisconsin	3	0.03	5,683	4.50
Wyoming	3	0.03	283	0.22
U. S. total	9,284	100.00	126,392	100.00
Total exports	37		1,799	
Total U. S. plus exports	9,321		128,191	

² Data for first half of 1950 represent 80 per cent of the industry total, as based on ICHAM reporting sample. Comparable Bureau of the Census figures are not available for a direct comparison, but these estimates are believed to be conservative.

Authority: Institute of Cooking and Heating Appliance Manufacturers

ANALYSIS OF DISTRIBUTION OF VAPORIZING POT-TYPE SPACE HEATERS, BY STATES

State	First Half 1950 ²		January 1, 1946 through June 30, 1950	
	Units	Per Cent of U. S. Total	Units	Per Cent of U. S. Total
Alabama	232	0.14	43,388	1.26
Arizona	27	0.02	8,368	0.24
Arkansas	442	0.26	28,620	0.83
California	714	0.42	74,202	2.15
Colorado	338	0.20	40,315	1.17
Connecticut	450	0.26	26,293	0.76
Delaware	1,074	0.63	13,770	0.40
District of Columbia.....	409	0.24	20,777	0.60
Florida	5,524	3.25	87,237	2.53
Georgia	3,740	2.20	68,802	1.99
Idaho	887	0.52	23,861	0.69
Illinois	15,432	9.08	288,445	8.35
Indiana	16,196	9.53	159,268	4.61
Iowa	9,985	5.87	237,110	6.86
Kansas	13,565	7.98	148,895	4.31
Kentucky	1,169	0.69	47,408	1.37
Louisiana	1,732	1.02	48,209	1.40
Maine	69	0.04	12,079	0.35
Maryland	716	0.42	26,750	0.77
Massachusetts	1,895	1.11	68,736	1.99
Michigan	1,052	0.62	46,176	1.34
Minnesota	7,454	4.38	167,660	4.85
Mississippi	219	0.13	19,112	0.55
Missouri	7,638	4.49	171,166	4.95
Montana	1,068	0.62	26,408	0.76
Nebraska	2,328	1.37	64,334	1.86
Nevada	142	0.08	8,490	0.25
New Hampshire	310	0.18	11,987	0.35
New Jersey	1,490	0.88	50,016	1.45
New Mexico	94	0.06	10,523	0.30
New York	4,000	2.35	149,729	4.33
North Carolina	17,310	10.18	177,192	5.13
North Dakota	1,635	0.96	34,713	1.00
Ohio	6,524	3.84	154,292	4.47
Oklahoma	81	0.05	20,013	0.58
Oregon	3,406	2.00	83,914	2.43
Pennsylvania	4,420	2.60	96,796	2.80
Rhode Island	468	0.28	14,858	0.43
South Carolina	7,758	4.56	64,779	1.88
South Dakota	2,278	1.34	40,009	1.16
Tennessee	3,579	2.11	103,930	3.01
Texas	98	0.06	56,020	1.62
Utah	265	0.16	20,118	0.58
Vermont	704	0.41	13,565	0.39
Virginia	9,064	5.33	116,564	3.37
Washington	5,641	3.32	111,073	3.22
West Virginia	340	0.20	13,795	0.40
Wisconsin	5,841	3.44	125,404	3.63
Wyoming	201	0.12	9,624	0.28
U. S. total.....	170,004	100.00	3,454,793	100.00
Total exports	1,675		93,237	
Total U. S. plus exports..	171,679		3,548,030	

²Data for first half of 1950 represent 75 per cent of the industry total, as based on ICHAM reporting sample; and are based on a comparison with total industry figures released by the Bureau of the Census.

Authority: Institute of Cooking and Heating Appliance Manufacturers.

ANALYSIS OF DISTRIBUTION OF VAPORIZING POT-TYPE WATER HEATERS, BY STATES

State	First Half 1950 ²		January 1, 1946 through June 30, 1950	
	Units	Per Cent of U. S. Total	Units	Per Cent of U. S. Total
Alabama	3	0.02	2,036	0.64
Arizona	5	0.03	553	0.17
Arkansas	27	0.19	1,130	0.35
California	70	0.48	4,848	1.52
Colorado	66	0.46	3,196	1.00
Connecticut	564	3.89	5,443	1.70
Delaware	72	0.50	1,100	0.34
District of Columbia	21	0.14	851	0.27
Florida	541	3.73	9,243	2.89
Georgia	64	0.44	5,173	1.62
Idaho	3	0.02	751	0.24
Illinois	614	4.24	14,132	4.42
Indiana	186	1.28	11,362	3.56
Iowa	1,542	10.64	37,602	11.77
Kansas	588	4.06	13,255	4.16
Kentucky	12	0.08	2,149	0.67
Louisiana	19	0.13	4,183	1.31
Maine	4	0.03	641	0.20
Maryland	176	1.21	2,763	0.86
Massachusetts	63	0.43	3,813	1.19
Michigan	2,770	19.11	17,257	5.40
Minnesota	687	4.74	15,493	4.85
Mississippi	2	0.01	1,064	0.33
Missouri	194	1.34	10,555	3.30
Montana	26	0.18	1,218	0.38
Nebraska	60	0.41	5,646	1.77
Nevada	23	0.16	529	0.17
New Hampshire	224	1.55	1,389	0.43
New Jersey	280	1.93	4,854	1.52
New Mexico	4	0.03	982	0.31
New York	907	6.28	18,130	5.68
North Carolina	1,087	7.50	21,200	6.64
North Dakota	90	0.62	3,414	1.07
Ohio	353	2.44	18,667	5.84
Oklahoma	4	0.03	417	0.13
Oregon	7	0.05	2,028	0.63
Pennsylvania	450	3.10	20,020	6.27
Rhode Island	355	2.45	2,374	0.74
South Carolina	532	3.67	5,697	1.79
South Dakota	98	0.68	3,202	1.00
Tennessee	49	0.34	4,279	1.34
Texas	7	0.05	2,417	0.76
Utah	13	0.09	1,478	0.46
Vermont	222	1.53	1,618	0.51
Virginia	364	2.65	12,085	3.78
Washington	255	1.76	2,031	0.64
West Virginia	8	0.06	528	0.17
Wisconsin	751	5.18	16,141	5.05
Wyoming	11	0.08	507	0.16
U. S. total.....	14,493	100.00	319,444	100.00
Total exports	849		9,970	
Total U. S. plus exports..	15,342		329,414	

² Data for first half of 1950 represent 80 per cent of the industry total, as based on ICHAM reporting sample. Comparable Bureau of the Census figures are not available for a direct comparison, but these estimates are believed to be conservative.

Authority: Institute of Cooking and Heating Appliance Manufacturers

ANALYSIS OF DISTRIBUTION OF VAPORIZING POT-TYPE FLOOR FURNACES, BY STATES

State	First Half 1950 ²		January 1, 1946 through June 30, 1950	
	Units	Per Cent of U. S. Total	Units	Per Cent of U. S. Total
Alabama	309	1.72	4,286	1.54
Arizona	14	0.08	484	0.17
Arkansas	84	0.47	1,123	0.40
California	40	0.22	6,058	2.18
Colorado	47	0.26	4,526	1.63
Connecticut	130	0.72	3,116	1.12
Delaware	82	0.46	1,263	0.46
District of Columbia	103	0.57	1,301	0.47
Florida	561	3.13	8,621	3.11
Georgia	1,233	6.87	10,310	3.72
Idaho	182	1.01	3,369	1.21
Illinois	835	4.65	16,617	5.99
Indiana	611	3.40	11,079	3.99
Iowa	351	1.96	9,629	3.47
Kansas	69	0.38	2,874	1.04
Kentucky	269	1.50	4,072	1.47
Louisiana	11	0.06	95	0.03
Maine	141	0.79	1,702	0.61
Maryland	653	3.64	7,127	2.57
Massachusetts	344	1.92	4,270	1.54
Michigan	642	3.58	14,039	5.06
Minnesota	237	1.32	5,485	1.98
Mississippi	25	0.14	739	0.27
Missouri	197	1.10	5,797	2.09
Montana	50	0.28	2,970	1.07
Nebraska	66	0.37	3,097	1.12
Nevada	52	0.29	1,336	0.48
New Hampshire	87	0.48	1,443	0.52
New Jersey	725	4.04	6,787	2.45
New Mexico	5	0.03	387	0.14
New York	1,055	5.88	13,452	4.85
North Carolina	2,604	14.51	31,116	11.21
North Dakota	22	0.12	1,560	0.56
Ohio	340	1.89	12,220	4.40
Oklahoma	8	0.04	142	0.05
Oregon	380	2.12	10,992	3.96
Pennsylvania	337	1.88	6,547	2.36
Rhode Island	80	0.45	1,134	0.41
South Carolina	747	4.16	5,072	1.83
South Dakota	86	0.48	2,557	0.92
Tennessee	409	2.28	6,929	2.50
Texas	76	0.42	525	0.19
Utah	44	0.24	2,464	0.89
Vermont	43	0.24	601	0.22
Virginia	2,236	12.46	18,133	6.54
Washington	1,039	5.79	13,186	4.75
West Virginia	108	0.60	952	0.34
Wisconsin	167	0.93	5,121	1.85
Wyoming	13	0.07	750	0.27
U. S. total	17,949	100.00	277,455	100.00
Total exports	208		4,007	
Total U. S. plus exports	18,157		281,462	

² Data for first half of 1950 represent 95 per cent of the industry total, as based on ICHAM reporting sample; and are based on a comparison with total industry figures released by the Bureau of the Census.

Authority: Institute of Cooking and Heating Appliance Manufacturers.

Use of Fuel Oils for Generation of Electric Power Triples in Five Years

U. S. CONSUMPTION OF FUEL OILS BY PUBLIC UTILITIES, BY YEARS, 1930-1949

(Thousands of Barrels)			
Year	For Manufacture of Gas ²	For Generation of Electric Power	Total Public-Utility Consumption
1949.	26,343	66,303	88,646
1948.	31,145	42,645	73,790
1947.	29,490	45,309	74,799
1946.	25,469	36,316	61,785
1945.	22,236	20,228	42,464
1944.	19,921	20,862	40,783
1943.	18,391	17,986	36,377
1942.	17,876	15,236	33,112
1941.	16,487	20,077	36,564
1940.	16,120	16,325	32,445
1939.	14,980	17,139	32,119
1938.	13,947	12,942	26,889
1937.	12,551	13,829	26,380
1936.	12,314	14,079	26,393
1935.	12,157	11,257	23,414
1934.	12,429	10,258	22,687
1933.	12,570	9,606	22,176
1932.	14,356	7,583	21,939
1931.	16,205	7,922	24,127
1930.	18,265	8,805	27,070

² For further breakdown, see table entitled "U. S. consumption of petroleum and solid fuels in the manufacture of gas."

Authority American Gas Association, Federal Power Commission.

Petroleum of Rising Importance in Generation of Electric Power

U. S. CONSUMPTION OF PETROLEUM AND COAL FUELS IN THE GENERATION OF ELECTRIC POWER, BY YEARS, 1935-1949

Year	Fuel Oils (Thousands of Barrels)	Natural Gas (Billions of Cubic Feet)	Coal (Thousands of Tons)
1949.	66,303	549,889	84,072
1948.	42,645	478,097	99,586
1947.	45,309	373,054	89,531
1946.	36,316	306,942	72,197
1945.	20,228	326,212	74,725
1944.	20,862	358,784	80,084
1943.	17,986	301,937	77,301
1942.	15,236	235,208	66,257
1941.	20,077	201,763	62,668
1940.	16,325	180,096	51,474
1939.	17,139	188,877	44,539
1938.	12,942	165,504	38,394
1937.	13,829	169,127	42,930
1936.	14,079	154,084	40,085
1935.	11,256	124,118	32,715

Authority Federal Power Commission.

Petroleum Used Extensively in Gas Manufacture

U. S. CONSUMPTION OF PETROLEUM AND SOLID FUELS IN THE MANUFACTURE OF GAS, BY YEARS, 1919-1949

Year	Water-Gas Enrichment			Boiler Fuel	Manufacture of Oil Gas *	Total Fuel Oils	Solid Fuels (Thousands of Tons)			
	Light Oil ²	Heavy Oil ³	Total and Heavy Oils				Anthracite	Bituminous Coal	Coke and Breze	Total Solid Fuels
1949	5,002,381	15,676,190	20,678,571	1,299,048	4,395,238	26,342,857	382	6,529	3,305	10,216
1948	5,002,381	18,442,857	23,445,238	1,459,524	4,092,857	31,145,238	590	7,326	3,733	11,659
1947	7,283,333	17,350,000	24,633,333	1,364,286	3,492,857	29,490,476	470	7,515	3,881	11,866
1946	6,185,714	15,609,524	21,795,238	911,905	2,761,905	25,469,048	347	7,660	3,782	11,789
1945	4,926,190	14,059,523	18,985,713	571,429	2,678,572	22,265,714	292	8,098	3,551	11,941
1944	4,165,000	13,228,000	17,393,000	546,000	1,982,000	19,921,000	291	7,860	3,129	11,280
1943	4,704,000	11,311,000	16,015,000	347,000	2,029,000	18,391,000	343	7,683	3,098	11,124
1942	4,102,000	11,462,000	15,564,000	561,000	1,751,000	17,876,000	360	7,730	2,803	10,893
1941	3,679,000	10,731,000	14,410,000	613,000	1,464,000	16,487,000	258	7,712	2,611	10,581
1940	3,437,000	10,666,000	14,103,000	641,000	1,376,000	16,120,000	214	6,882	2,599	9,695
1939	3,794,310	8,917,833	12,712,143	937,190	1,330,452	14,979,785	199	6,653	2,429	9,281
1938	3,371,249	8,599,669	11,970,918	820,168	1,155,616	13,946,702	181	6,715	2,352	9,248
1937	3,702,000	7,478,286	11,180,286	337,548	1,032,690	12,550,524	178	7,345	2,412	9,935
1936	3,507,000	7,666,310	11,173,310	281,167	879,833	12,314,310	144	7,601	2,507	10,232
1935	4,490,000	6,589,000	11,079,000	280,952	817,381	12,157,333	126	7,849	2,589	10,564
1934	(¹)	(¹)	11,505,429	283,619	660,405	12,429,453	186	8,349	2,603	11,138
1933	.....	.....	11,490,786	231,571	1,377,286	12,569,643	132	7,829	2,580	10,541
1932	.....	.....	12,747,714	221,533	1,867,361	14,356,643	115	8,103	2,915	11,133
1931	.....	.....	14,173,286	383,761	1,648,238	16,205,286	141	9,407	3,520	13,068
1930	.....	.....	13,857,000	1,491,476	2,916,619	18,265,095	206	9,537	3,870	13,613
1929	.....	.....	15,456,809	1,237,119	4,612,976	21,306,904	267	9,910	4,073	14,250
1928	.....	.....	16,226,786	522,524	6,102,881	22,912,191	433	9,728	4,188	14,349
1927	.....	.....	16,827,286	372,880	6,115,786	23,413,262	294	9,381	4,568	14,243
1926	.....	.....	17,809,357	484,881	5,909,571	24,213,809	601	8,941	4,227	13,769
1925	.....	.....	(¹)	(¹)	(¹)	22,556,190	960	7,400	3,800	12,160
1924	.....	.....	.....	.....	.....	23,498,286	1,308	6,580	3,754	11,642
1923	.....	.....	.....	.....	.....	21,677,357	1,096	6,844	3,189	11,129
1922	.....	.....	.....	.....	.....	21,160,286	1,098	6,588	3,387	11,073
1921	.....	.....	.....	.....	.....	21,380,191	1,833	7,114	2,413	11,360
1920	.....	.....	.....	.....	.....	22,726,571	1,953	7,778	2,025	11,756
1919	.....	.....	.....	.....	.....	22,699,643	2,000	8,465	1,500	11,965

¹Light oil is inferred to be gas oil and distillate fuel oils; see table entitled "U. S. consumption of fuel oils by public utilities."

²Heavy oil is inferred to be residual fuel oils.

³Includes bench and producer fuel.

⁴Not available.

Authority: American Gas Association

MANUFACTURED GASES PRODUCED AND PURCHASED BY U. S. GAS UTILITIES, BY TYPES OF GAS AND BY YEARS, 1932-1949

(Millions of Cubic Feet)

Year	Produced					Purchased from Non-utilities					Total Produced and Purchased				
	Carbureted Water Gas 2	Coke- Oven Gas	Retort Coal Gas	Oil		Total	Coke- Oven Gas	Refinery Gas	Total	Carbureted Water Gas 2	Coke- Oven Gas	Retort Coal Gas	Oil Gas and Refin- ery Gas	Total	
				Gas	Gas										
1949	298,498	64,098	6,607	18,150	387,353	310,171	66,557	9,779	121,739	298,498	167,885	6,607	22,912	495,902	
1948	310,171	66,557	9,779	16,090	402,597	310,171	66,557	12,173	134,929	310,171	182,675	9,779	21,711	524,336	
1947	310,527	66,915	11,557	14,240	402,239	310,527	66,915	12,429	134,929	310,527	184,525	11,557	20,621	527,530	
1946	291,652	63,186	13,608	11,249	379,695	291,652	63,186	13,608	134,929	291,652	170,525	13,608	16,987	492,772	
1945	267,602	67,494	14,922	10,153	360,171	267,602	67,494	14,922	117,029	267,602	178,086	14,922	16,590	477,200	
1944	234,904	63,881	15,429	8,734	322,948	234,904	63,881	15,429	107,337	234,904	188,871	15,429	11,081	430,285	
1943	223,088	60,112	18,029	8,408	309,637	223,088	60,112	18,029	107,409	223,088	183,895	18,029	12,010	417,046	
1942	206,227	61,455	16,805	7,231	291,718	206,227	61,455	16,805	104,165	206,227	184,895	16,805	10,958	395,883	
1941	190,523	56,994	16,011	6,679	270,207	190,523	56,994	16,011	97,962	190,523	181,875	16,011	10,874	369,283	
1940	183,369	55,530	15,645	6,065	260,609	183,369	55,530	15,645	93,425	183,369	148,646	15,645	10,911	358,571	
1939	165,692	54,546	15,310	5,857	241,405	165,692	54,546	15,310	92,425	165,692	141,834	15,310	11,994	334,830	
1938	156,397	48,924	20,729	5,136	231,188	156,397	48,924	20,729	92,435	156,397	135,632	20,729	7,865	323,623	
1937	156,938	52,746	22,016	4,846	236,186	156,938	52,746	22,016	92,435	156,938	141,735	22,016	7,624	328,313	
1936	157,052	55,136	22,583	3,782	238,553	157,052	55,136	22,583	85,509	157,052	137,446	22,583	6,981	324,062	
1935	164,298	52,681	26,827	3,589	247,395	164,298	52,681	26,827	93,747	164,298	143,701	26,827	6,316	341,142	
1934	163,392	53,466	30,016	3,176	250,050	163,392	53,466	30,016	94,675	163,392	145,600	30,016	5,717	344,725	
1933	159,568	51,366	29,534	4,275	244,743	159,568	51,366	29,534	7,865	159,568	138,343	29,534	7,084	334,529	
1932	176,728	49,267	32,197	6,946	265,138	176,728	49,267	32,197	94,167	176,728	141,691	32,197	8,689	359,305	

² Includes reformed, natural, oil-refinery, and liquefied petroleum gases; and liquefied petroleum and natural gases used for enriching.

Authority: American Gas Association

U. S. BUNKERING OF VESSELS IN INTERNATIONAL TRADE, BY CUSTOMS DISTRICTS, 1938-1949

(Barrels)

Customs District	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938
Vermont	56,851	41,192	35,850	93,124	187,232	318,850	324,262	31,696	20,239	6,842	4,394	2,302
Maine-New Hampshire ..	383,584	410,259	386,688	468,493	759,636	764,226	467,090	214,845	100,986	33,940	154,934	166,208
Massachusetts	55,364	88,499	31,237	24,372	14,527	12,000	4,633	32,066	55,818	5,779	1,905	7,400
Rhode Island	39,928	33,217	13,602	2,682	5,213	35	4,633	244	1,489	1,151	165	129
Connecticut	13,563	32,074	5,010	2,898	20,996	3,819	2,962	823	311	30	.....	2,986
St. Lawrence .....	.....	.....	478	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rochester .....	.....	.....	66	321	185	.....	2,489	572	.....	.....	.....	.....
Buffalo .....	.....	.....	17,781,421	17,174,602	22,535,287	29,712,356	19,056,627	7,477,922	8,710,069	8,248,134	15,542,647	17,123,444
New York	16,417,568	17,360,649	4,393,642	2,980,252	4,120,096	4,156,591	1,836,289	1,192,245	2,231,629	1,663,769	1,288,500	1,152,396
Philadelphia	4,845,293	3,798,094	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maryland	4,028,582	4,862,949	7,095,614	6,164,824	4,933,889	4,193,867	2,487,636	1,530,180	2,606,415	2,494,066	2,029,092	2,158,536
Virginia	2,654,785	5,056,587	6,669,070	3,822,876	3,487,344	3,819,585	2,277,384	438,494	576,171	556,295	864,216	581,115
North Carolina	3,304	3,137	1,317	11,909	11,909	8,712,010	5,163	38,124	7,440	2,900	2,900	5,697
South Carolina	193,806	493,262	814,251	831,959	767,182	289,150	59,162	16,792	48,750	69,891	52,812	35,804
Georgia	288,742	189,923	355,940	674,896	598,106	702,321	481,295	121,570	117,938	79,512	219,432	193,329
Florida	762,450	908,247	1,226,395	967,661	1,017,744	786,950	796,927	445,235	685,466	571,412	596,993	516,011
Mobile	604,495	1,003,694	1,486,231	1,253,724	1,16,814	375,122	493,879	612,454	643,283	511,513	769,106	879,546
New Orleans	5,047,211	5,800,686	6,802,230	5,308,261	4,707,241	2,715,149	2,301,701	2,267,954	2,713,160	2,855,585	2,880,344	2,599,750
Sabine	1,096,216	1,389,009	1,609,729	1,866,862	1,481,547	1,408,971	1,44,289	901,630	531,247	934,000	582,875	778,311
Galveston	6,672,139	6,560,584	6,508,623	6,948,694	5,383,065	1,802,076	1,144,152	2,389,224	1,551,578	2,673,235	3,026,128	2,880,219
Laredo	56,231	122,375	131,553	76,038	35,906	17,701	5,931	5,406	.....	.....	.....	753,309
San Antonio	427,087	420,225	395,896	295,112	143,828	143,064	157,859	113,091	156,602	174,283	90,574	879,546
San Diego	8,936,683	8,900,060	9,243,467	5,070,994	8,594,129	5,863,596	5,359,264	3,047,301	5,907,167	9,957,957	5,782,703	3,777,685
Los Angeles	2,311,393	2,446,562	3,715,650	4,901,396	15,454,797	12,190,424	9,059,024	3,470,654	1,206,542	1,261,554	623,853	531,198
Oregon	631,259	459,265	826,823	584,315	1,552,615	842,928	905,286	398,267	7,553	154,509	81,566	26,675
Arizona	605,671	746,885	743,645	1,480,677	2,782,445	870,506	416,500	344,657	406,669	586,250	196,120	360,001
Washington	3,634	3,448	11,007	10,561	160	428	5	3,259	.....	.....	.....	.....
Wisconsin	10,226	7,064	8,691	3,837	814	3,886	7,035	5,825	7,477	5,065	3,020	11,996
Duluth and Superior	1,054	129	402	1,056	230	85	33,821	5	1,645	9,392	33,360	5,120
Chicago	1,150	1,100	1,533	.....	.....	490	1,619	1,590	2,705	.....	.....	.....
Montana and Idaho	27,294	11,266	32,533	18,200	28,049	20,434	16,620	44,774	39,021	81,375	3,097	466,887
Ohio	1,049,506	1,187,582	988,179	1,058,678	2,515,171	1,696,850	17,632	14,243	1,283,612	1,296,774	639,916	466,887
Hawaii	167,913	98,912	156,736	97,474	95,041	54,511	21,070	71,638	319,253	303,600	341,125	418,190
Puerto Rico	326,622	247,701	686,162	531,652	92,901	2,923	1,869	182,700	459,917	494,009	341,858	324,751
Virgin Islands	2,649	.....	540	.....	.....	.....	.....	583	.....	62	.....	.....
Alaska .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
U. S. total	57,724,655	62,587,637	72,071,216	62,493,541	82,314,199	71,815,127	47,894,826	25,417,443	30,400,069	35,037,424	37,035,688	36,059,195

Authority: Bureau of the Census

International-Trade Vessels Large Bunker-Oil Users

U. S. BUNKERING OF VESSELS IN INTERNATIONAL TRADE, BY YEARS, 1929-1949

(Oil, thousands of barrels. Coal, thousands of long tons.)

Year	Bunker Oil			Bunker Coal		
	American Vessels	Foreign Vessels	Total in International Trade	American Vessels	Foreign Vessels	Total in International Trade
1949.....	31,139	26,586	57,725	70	711	780
1948.....	38,031	24,527	62,558	116	828	944
1947.....	46,953	25,118	72,071	104	1,404	1,508
1936.....	48,227	14,266	61,493	86	1,146	1,232
1945.....	64,983	17,331	82,314	118	1,476	1,594
1944.....	52,646	19,169	71,815	157	1,235	1,392
1943.....	32,401	15,494	47,895	166	1,304	1,470
1942.....	14,289	11,128	25,417	112	1,303	1,415
1941.....	13,444	16,956	30,400	84	1,383	1,467
1940.....	14,492	20,545	35,037	61	1,212	1,273
1939.....	14,533	22,503	37,036	43	1,275	1,318
1938.....	14,217	21,842	36,059	71	1,137	1,208
1937.....	.....	.....	37,688	.....	.....	1,635
1936.....	.....	.....	33,407	.....	.....	1,448
1935.....	.....	.....	30,304	.....	.....	1,407
1934.....	.....	.....	29,899	.....	.....	1,179
1933.....	.....	.....	32,271	.....	.....	1,175
1932.....	.....	.....	38,152	.....	.....	1,204
1931.....	.....	.....	43,714	.....	.....	1,960
1930.....	.....	.....	50,773	.....	.....	3,122
1929.....	.....	.....	52,278	.....	.....	3,827

Authority: Bureau of the Census.

Diesels on U. S. Railroads Change Oil-Fuel Consumption Pattern

CONSUMPTION OF PETROLEUM PRODUCTS BY U. S. CLASS I RAILROADS, BY TYPE OF PRODUCT AND BY YEARS, 1924-1949

Year	(Barrels)						Number of Oil-Burning Steam Locomotives in Service
	Fuel Oil		Diesel Oil		Gasoline		
	Pur- chases ²	Train Con- sumption ³	Pur- chases ²	Train Con- sumption ³	Pur- chases ²	Train Con- sumption ³	
1949 ¹	63,146,748	59,742,912	36,549,325	34,104,927	1,234,954	223,912	5,531
1948	89,722,245	79,241,550	28,732,003	26,129,815	1,308,438	268,223	6,124
1947	96,745,462	89,782,369	19,047,224	17,536,960	1,143,062	301,583	6,537
1946	98,442,414	91,622,242	13,321,911	12,444,800	1,130,216	350,307	6,878
1945	111,965,769	104,267,655	10,820,656	10,035,084	1,174,567	381,049	6,921
1944	113,314,100	106,718,005	7,880,090	6,972,386	1,158,952	399,791	6,906
1943	115,563,270	105,085,314	5,507,155	3,722,382	1,111,851	413,025	6,774
1942	99,651,586	92,657,932	4,419,956	3,274,082	1,143,252	440,852	6,701
1941	80,725,098	71,694,270	2,883,664	2,343,969	1,165,537	500,013	6,480
1940	65,197,799	59,411,043	1,933,225	1,480,339	1,131,597	531,132	6,338
1939	61,073,965	55,449,527	1,160,820	867,366	1,100,886	550,295	6,415
1938	57,137,618	53,124,088	829,595	561,326	1,065,852	572,875	6,459
1937	68,685,224	61,190,736	606,434	323,150	1,150,536	592,809	6,548
1936	59,821,591	55,421,176	414,819	167,229	1,077,628	610,278	6,551
1935 . . . . .	.....	47,737,806	.....	.....	.....	590,133	6,632
1934 . . . . .	.....	44,485,261	.....	.....	.....	982,295	6,792
1933 . . . . .	.....	40,691,238	.....	.....	.....	944,796	7,163
1932 . . . . .	.....	41,883,904	.....	.....	.....	936,930	7,268
1931 . . . . .	.....	47,992,738	.....	.....	.....	878,909	7,466
1930 . . . . .	.....	56,346,880	.....	.....	.....	817,737	7,472
1929 . . . . .	.....	62,581,282	.....	.....	.....	.....	7,565
1928 . . . . .	.....	59,479,619	.....	.....	.....	.....	7,500
1927 . . . . .	.....	57,855,595	.....	.....	.....	.....	7,415
1926 . . . . .	.....	58,563,755	.....	.....	.....	.....	7,302
1925 . . . . .	.....	58,519,685	.....	.....	.....	.....	7,201
1924 . . . . .	.....	58,949,918	.....	.....	.....	.....	7,326

¹ Preliminary.

² All purchases of these petroleum products by class I railroads are included, whether for train service or some other purpose. Purchase data not available prior to 1936.

³ Quantities actually consumed in yard switching, road freight, and road passenger service.

Authority: Interstate Commerce Commission.

NUMBER OF LOCOMOTIVES IN SERVICE AT END OF YEAR, 1938-1949

U. S. CLASS I STEAM RAILWAYS

Year	Steam Locomotives		Electric Locomotives	Diesel- Electric Units ¹	Others	Total
	Coal- burning	Oil- burning				
1949.....	23,433	5,531	817	10,888	22	40,691
1948.....	26,790	6,124	829	8,089	19	41,851
1947.....	28,571	6,537	821	5,772	18	41,719
1946.....	30,673	6,878	832	4,441	17	42,841
1945.....	31,932	6,921	842	3,816	19	43,530
1944.....	32,775	6,906	863	3,049	19	43,612
1943.....	32,951	6,774	868	2,125	13	42,731
1942.....	32,790	6,701	855	1,667	20	42,033
1941.....	33,144	6,480	857	1,267	23	41,771
1940.....	33,703	6,338	858	797	25	41,721
1939.....	34,702	6,415	843	....	551	42,511
1938.....	36,178	6,459	829	....	344	43,810

¹ Data not available prior to 1940; included in "others."

Authority: Interstate Commerce Commission.

Increased Use of Diesel-Electrics by U. S. Class I Railroads Cuts Use of Competitive Fuels

U. S. FUEL PURCHASES AND FUEL COSTS OF CLASS I STEAM RAILWAYS, BY TYPES AND BY YEARS, 1941-1949

Type	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Coal f.o.b. mines (net tons):									
Quantity produced or purchased (thousands).....	64,273	98,373	108,789	106,001	119,148	133,537	127,867	119,529	103,157
Average unit cost at point of purchase or production....	\$4.36	\$4.34	\$3.64	\$3.11	\$2.78	\$2.65	\$2.42	\$2.13	\$2.02
Fuel costs:									
Amount (thousands).....	\$279,961	\$426,802	\$395,611	\$329,293	\$330,667	\$353,327	\$309,886	\$254,154	\$208,598
Per cent of total.....	48.64	51.24	58.23	61.13	61.93	63.88	61.63	62.32	63.12
Coal f.o.b. other points (net tons):									
Quantity produced or purchased (thousands).....	2,647	3,882	4,583	4,384	5,072	5,271	5,307	4,778	4,471
Average unit cost at point of purchase or production....	\$7.74	\$7.30	\$6.37	\$5.61	\$5.14	\$4.89	\$4.65	\$4.26	\$4.19
Fuel costs:									
Amount (thousands).....	\$20,497	\$28,346	\$29,211	\$24,606	\$26,053	\$25,765	\$24,859	\$20,354	\$18,735
Per cent of total.....	3.56	3.40	4.30	4.57	4.88	4.66	4.90	4.99	5.67
Fuel oils (barrels):									
Quantity produced or purchased (thousands).....	63,147	89,772	96,745	98,442	111,966	113,314	115,563	99,652	80,725
Average unit cost at point of purchase or production....	\$1.45	\$2.32	\$1.65	\$1.24	\$1.08	\$1.10	\$1.09	\$0.96	\$0.90
Fuel costs:									
Amount (thousands).....	\$91,560	\$207,874	\$159,875	\$121,774	\$121,396	\$124,452	\$126,133	\$95,879	\$72,297
Per cent of total.....	15.91	24.96	23.51	22.61	22.73	22.50	25.09	23.51	21.83
Electric current (kilowatt-hours):									
Quantity produced or purchased (thousands).....	3,320,324	3,479,832	3,071,712	3,062,844	3,135,941	3,170,381	3,032,265	2,804,787	2,572,092
Average unit cost at point of purchase or production....	1.197¢	1.128¢	0.973¢	0.892¢	0.865¢	0.847¢	0.825¢	0.828¢	0.814¢
Fuel costs:									
Amount (thousands).....	\$38,746	\$39,240	\$29,886	\$27,332	\$27,134	\$26,858	\$25,015	\$23,222	\$20,949
Per cent of total.....	6.91	4.71	4.40	5.07	5.08	4.85	4.98	5.70	6.34
Gasoline (gallons):									
Quantity produced or purchased (thousands).....	51,868	54,954	48,009	47,469	49,332	48,676	46,698	48,017	48,953
Average unit cost at point of purchase or production....	16.44¢	15.87¢	13.07¢	10.86¢	10.89¢	11.06¢	10.84¢	10.24¢	9.21¢
Fuel costs:									
Amount (thousands).....	\$8,526	\$8,719	\$6,275	\$5,156	\$5,370	\$5,386	\$5,061	\$4,917	\$4,508
Per cent of total.....	1.48	1.05	0.92	0.96	1.01	0.97	1.01	1.21	1.36
Diesel oil (gallons):									
Quantity produced or purchased (thousands).....	1,535,072	1,206,744	799,983	559,520	454,468	330,964	231,300	185,638	121,114
Average unit cost at point of purchase or production....	8.81¢	10.11¢	7.33¢	5.45¢	5.13¢	5.25¢	5.20¢	5.00¢	4.46¢
Fuel costs:									
Amount (thousands).....	\$135,264	\$121,955	\$58,678	\$30,517	\$23,325	\$17,359	\$12,037	\$9,274	\$5,404
Per cent of total.....	23.50	14.64	8.64	5.66	4.37	3.14	2.39	2.27	1.63
Total fuel costs:									
Amount (thousands).....	\$575,554	\$832,936	\$679,336	\$538,678	\$533,948	\$553,147	\$502,791	\$407,800	\$330,491

Authority Interstate Commerce Commission.

¹ Preliminary.

Diesel-Electric Locomotives Provide U. S. Class I Railroads with 14 Million Horsepower

U. S. DIESEL LOCOMOTIVE UNITS IN SERVICE ON CLASS I RAILWAYS, BY TYPES AND BY YEARS, 1937-1949

(Horsepower in Thousands)

December 31	Road						Total Switching and Road		Average Horse- power
	Freight		Passenger and Combination Passenger and Freight		Switching				
	Number	Horse- power	Number	Horse- power	Number	Horse- power			
	Number	Horse- power	Number	Horse- power	Number	Horse- power			
1949.. . . .	4,546	6,686.2	1,773	3,195.3	4,654	4,128.3	10,973	14,009.8	1.3
1948	3,168	4,598.5	1,412	2,557.7	3,638	3,119.1	8,218	10,275.3	1.3
1947	1,896	2,668.8	1,107	2,001.3	2,916	2,414.9	5,919	7,085.0	1.2
1946.	1,250	1,676.0	721	1,300.6	2,608	2,138.3	4,579	5,114.9	1.1
1945.	1,068	1,427.1	503	920.2	2,375	1,921.0	3,946	4,268.3	1.1
1944.. . . .	810	1,078.1	338	602.4	2,024	1,608.6	3,172	3,289.1	1.0
1943.	325	424.4	280	514.8	1,586	1,204.1	2,191	2,143.3	1.0
1942.	153	192.2	275	506.8	1,314	955.1	1,742	1,654.1	0.9
1941.	49	54.5	224	407.8	1,058	746.0	1,331	1,208.3	0.9
1940.	5	1.9	148	263.4	700	468.5	853	733.8	0.9
1939.....	3	1.1	91	159.4	472	294.9	566	455.4	0.8
1938.....	2	0.7	64	105.6	298	163.6	364	269.9	0.7
1937.....	2	0.7	38	57.0	221	109.6	261	167.3	0.6

Authority: Railway Age.

Diesel-Electrics Account for About 99 Per Cent of New Orders for Locomotives

NUMBER OF LOCOMOTIVES ORDERED IN UNITED STATES, BY TYPES AND BY YEARS, 1929-1949

Year	For Domestic Use				Per Cent Steam	Per Cent Diesel	Per Cent Electric	For Export
	Steam	Diesel ¹	Electric	Total				
1949.	13	1,785	10	1,808	0.7	98.7	0.6	115
1948.	54	2,661	2	2,717	2.0	97.9	0.1	435
1947.	79	2,149	1	2,229	3.5	96.4	0.1	655
1946.	55	989	8	1,052	5.2	94.0	0.8	629
1945.	148	691	6	845	17.5	81.8	0.7	1,985
1944 ²	74	680	3	757	9.8	89.8	0.4	134
1943 ²	413	635	....	1,048	39.4	60.6	....	60
1942 ²	363	894	12	1,269	28.6	70.4	0.9	32
1941.	302	1,104	38	1,444	20.9	76.5	2.6	85
1940.	207	492	13	712	29.1	69.1	1.8	85
1939.	119	249	32	400	29.8	62.3	8.0	40
1938.	36	160	29	225	16.0	71.1	12.9	24
1937.	173	145	36	354	48.9	41.0	10.2	56
1936.	435	77	24	536	81.2	14.4	4.5	22
1935.	30	60	7	97	30.9	61.9	7.2	15
1934.	72	37	76	185	38.9	20.0	41.1	17
1933.	17	25	....	42	40.5	59.5	....	7
1932.	5	7	....	12	41.7	58.3	....	1
1931.	62	21	91	174	35.6	12.1	52.3	28
1930.	382	18	21	421	90.7	4.3	5.0	20
1929.	1,055	80	95	1,230	85.8	6.5	7.7	106

¹ U. S. government purchases excluded for years 1942 through 1944.

² 1948 and 1949 diesel orders are shown in units; diesel orders for previous years are reported as "locomotives," which may include one or more units.

Authority: Railway Age.

Diesels Find Increasing Favor as Power Source

U. S. DIESEL-ENGINE PRODUCTION AND USE, BY YEARS, 1915-1949

Year	Production of Diesel Engines			Diesel Engines in Use (End of Year)	
	Thousands of Horsepower	Number of Engines	Thousands of Dollars	Thousands of Horsepower	Number of Engines
1949.	11,000 ²	....	225,000	70,000	....
1948.	11,000 ²	....	....	65,000	....
1947.	12,500	118,879	....	55,169	....
1946. . . . .	....	....	225,000	43,000	....
1945.	29,750	212,500	487,600	45,000	....
1944.	35,000	250,000 ²	1,000,000 ²	95,000	1,250
1943.	25,000	....	....	....	....
1942.	7,000	....	....	....	....
1941.	4,595	....	....	19,920	....
1940.	4,000	....	....	....	....
1939.	2,250	19,310	45,525	....	100
1938.	1,650	....	....	....	....
1937.	1,750	13,815	41,265	6,451	....
1936.	1,875	....	41,000	....	....
1935.	980	4,650	16,910	....	....
1934.	770	....	....	....	....
1933.	230	960	4,910	....	....
1932.	125	775	....	....	....
1931.	285	1,380	11,830	....	....
1930.	450	....	....	....	....
1929.	460	3,560	26,800	....	....
1928.	475	....	....	....	....
1927.	385	3,250	20,410	....	....
1926.	325	....	....	....	....
1925.	380	4,000	23,230	....	....
1924.	295	....	....	600	....
1923.	250	....	....	....	....
1922.	200	....	....	....	....
1921. . . . .	....	....	....	....	....
1920. . . . .	....	....	....	....	....
1919. . . . .	....	....	....	....	....
1918.	140	....	....	....	....
1917.	110	....	....	....	....
1916.	100	....	....	....	....
1915.	78	....	....	....	....

² Estimated

Authority Diesel Engine Manufacturers Association.

U. S. MOTOR BOAT REGISTRATIONS ²

December 31, 1949.....	449,423
December 31, 1948.....	440,476
December 31, 1947.....	428,769
December 31, 1946.....	418,850
December 31, 1945.....	389,719
December 31, 1944.....	377,132
December 31, 1943.....	364,461
December 31, 1942.....	357,939
December 31, 1941.....	347,296
August 1, 1940.....	304,635
July 1, 1939.....	262,463
July 1, 1938.....	221,546
July 1, 1937.....	182,620

(As of December 31, 1949)

Registry District	Number of Registrations	Registry District	Number of Registrations
Baltimore, Md.	22,454	New York, N. Y.....	47,751
Boston, Mass.	15,501	Nogales, Ariz.	94
Bridgeport, Conn.	8,722	Norfolk, Va.	15,867
Buffalo, N. Y.....	8,192	Ogdensburg, N. Y.....	6,594
Charleston, S. C....	1,878	Omaha, Nebr.	490
Chicago, Ill.	8,203	Pembina, N. Dak.....	80
Cleveland, Ohio	14,085	Philadelphia, Pa.	21,097
Denver, Colo. ....	....	Pittsburgh, Pa.	2,652
Des Moines, Iowa.....	76	Port Arthur, Texas.....	3,953
Detroit, Mich.	28,769	Portland, Maine	10,998
Duluth, Minn.	4,152	Portland, Ore.	9,773
El Paso, Texas.....	6	Providence, R. I.....	4,245
Galveston, Texas.....	10,416	Rochester, N. Y.....	8,669
Great Falls, Mont.....	1,028	St. Albans, Vt.....	2,627
Honolulu, Hawaii.....	3,312	St. Louis, Mo.	17,316
Indianapolis, Ind.	4,275	St. Thomas, V. I.....	75
Juneau, Alaska	6,578	San Diego, Calif.....	1,735
Laredo, Texas	1,986	San Francisco, Calif.....	20,253
Los Angeles, Calif.....	8,557	San Juan, P. R.....	414
Louisville, Ky.	4,005	Savannah, Ga.	3,364
Memphis, Tenn.	8,179	Seattle, Wash.	32,411
Milwaukee, Wis.	12,459	Tampa, Fla.	23,173
Minneapolis, Minn.	6,716	Wilmington, N. C.....	8,398
Mobile, Ala.	8,022		
New Orleans, La.....	19,623		
		U. S. total.....	449,423

² This table gives the cumulative total of undocumented vessels numbered under the provisions of the act of June 7, 1918, as amended (46 U. S. C. 288), in each Coast Guard district by Customs ports for the quarter ending March 31, 1950. Generally speaking undocumented vessels are those machinery-propelled vessels of less than 5 net tons engaged in trade which by reason of tonnage are exempt from documentation. They are also those motorboats and motor vessels of 5 net tons and over used exclusively for pleasure purposes which are not documented as yachts or those of less than 5 net tons which by reason of tonnage, are not entitled to be so documented.

Authority: U. S. Coast Guard.

FUELS CONSUMED AT U. S. REFINERIES, BY YEARS, 1925-1948

(Oil and acid sludge, thousands of barrels; coal and petroleum coke, thousands of short tons;
natural and refinery gas, millions of cubic feet; purchased electricity, thousands of kilowatt hours;
total Btu, billions; crude oil run to stills, thousands of barrels)

Year	Oil	Acid Sludge	Coal	Natural Gas	Refinery Gas	Coke	Purchased Electricity	Total Btu's ²	Crude Oil Run to Stills	Btu Per Barrel of Crude Oil Run to Stills ³
1948.....	38,653	5,780	2,449	441,470	331,156	925	2,971,068	1,295,099	2,048,349	632,000
1947.....	38,717	5,824	2,273	363,892	324,737	721	2,957,805	1,198,579	1,852,246	647,000
1946.....	38,318	5,230	1,718	331,520	318,172	522	2,867,544	1,130,677	1,730,197	653,000
1945.....	38,557	5,222	1,532	338,458	348,736	596	3,168,395	1,182,736	1,719,534	688,000
1944.....	36,574	5,550	1,771	315,311	351,123	382	3,048,124	1,152,580	1,665,684	692,000
1943.....	29,011	4,614	1,831	243,584	296,518	114	2,431,187	942,186	1,429,738	659,000
1942.....	27,763	4,594	1,706	201,670	265,743	53	2,041,587	839,712	1,334,703	629,000
1941.....	33,105	4,517	1,091	148,127	283,021	73	1,862,996	823,320	1,409,192	584,000
1940.....	32,085	4,428	979	128,007	252,914	113	1,679,092	748,692	1,294,162	579,000
1939 ⁴	31,756	4,009	742	97,685	246,188	123	1,565,254	687,442	1,237,840	555,000
1938.....	28,855	3,467	722	109,741	233,791	75	1,400,499	660,956	1,165,015	567,000
1937.....	27,849	4,750	1,209	113,005	224,698	84	1,310,589	663,866	1,183,440	562,000
1936.....	30,454	4,937	1,310	93,183	210,689	123	1,191,023	638,149	1,068,570	597,000
1935.....	31,497	5,178	1,221	80,175	183,383	117	1,071,841	594,231	966,243	615,000
1934.....	33,163	4,702	1,189	79,965	164,741	194	1,022,984	571,471	895,636	638,000
1933.....	33,292	4,990	1,069	66,333	172,085	263	900,468	568,460	861,254	660,000
1932.....	34,801	5,924	958	67,467	161,634	333	845,816	567,490	819,997	692,000
1931.....	44,656 ⁴	(⁴)	1,412	75,548	149,924	529	917,923	601,122	894,608	682,000
1930.....	46,956	....	1,949	98,842	121,321	580	(⁵)	623,443	927,447	672,000
1929.....	51,544	....	2,300	103,729	98,727	488	....	630,837	987,708	639,000
1928.....	46,400	....	3,362	114,950	77,313	470	....	609,216	913,295	667,000
1927.....	41,462	....	5,031	123,395	53,465	450	....	....	....	721,000
1926.....	46,416	....	6,052	121,449	52,077	408	....	....	....	832,000
1925.....	50,455	....	6,153	87,842	35,041	314	....	....	....	829,000

² Includes purchased steam since 1935.

³ Total energy conversion of all refinery fuels expressed in Btu's per barrel of crude oil refined.

⁴ Acid sludge included with oil prior to 1932.

⁵ Not available prior to 1931.

Authority: Bureau of Mines.

PETROLEUM USED IN U. S. WOOD PRESERVING, BY YEARS, 1924-1949

Year	Quantity Used (Gallons) ²	Quantity of Wood Treated (Cubic Feet) ³
1949 ¹	35,334,685	53,179,997
1948	36,546,925	87,756,422
1947	65,886,296	76,571,681
1946	57,165,061	68,450,072
1945	32,044,273	
1944	33,908,339	70,585,605
1943	28,439,733	56,873,317
1942	34,624,314	70,307,325
1941	32,388,706	61,669,117
1940	31,386,909	62,080,520
1939	24,438,774	50,197,191
1938	26,942,783	55,015,126
1937	26,360,013	56,212,672
1936	22,624,318	49,373,365
1935	19,205,319	41,535,834
1934	14,981,299	31,343,454
1933	13,230,745	24,761,979
1932	13,599,602	28,088,054
1931	18,258,078	40,713,977
1930	28,100,316	54,415,070
1929	29,656,181	61,824,950
1928	25,075,903	58,297,641
1927	22,911,134	51,732,269
1926	13,317,022	32,119,595
1925	13,048,539	29,444,199
1924	11,179,346	24,297,209

¹ Preliminary.

² Included in creosote-petroleum mixtures, of which the total amount was 54,888,365 gal in 1948.

³ Creosote-petroleum-treated only. In addition, in 1948, 307,874 cu ft were treated with creosote-petroleum-copper naphthenate; 9,387,719 cu ft with creosote-petroleum-pentachlorophenol; and 6,243,986 cu ft with petroleum-pentachlorophenol.

Authority. U. S. Forest Service, American Wood Preservers Association

PRINCIPAL U. S. ARMY USES OF MAJOR PETROLEUM PRODUCTS IN THE CONTINENTAL UNITED STATES ¹

(Thousands of Barrels)

	Gasoline	Diesel Oil	Fuel Oils	Miscellaneous Products ²	Total
Repairs and utilities by U. S. Corps of Engineers	89.2	74.9	686.4	9.9	860.4
Rail and marine by U. S. Trans- portation Corps	8.1	254.9	7,679.3	13.4	7,955.7
Administration and training . . .	1,084.4	28.7	5.6	87.7	1,206.4
Total ⁴	1,181.7	358.5	8,371.3	111.0	10,022.5

² For fiscal year ended June 30, 1949.

³ Includes kerosine, solvents, greases, and lubricants only.

⁴ Does not include products used at manufacturing depots and arsenals.

Authority: Office of the Quartermaster General, U. S. Department of the Army

Petroleum Industry Supplies Increasing Share of U. S. Energy Requirements

U. S. ANNUAL ENERGY SUPPLY FROM MINERAL FUELS AND WATER POWER, BY YEARS, 1889-1949

(Trillions of British Thermal Units ¹)

Year	Coal			Petroleum					Total Mineral Fuels and Water Power ²	
	Penn- sylvania Grade Anthra- cite Coal	Bitu- minous Coal and Lignite	Total Coal	Crude Oil		Natural Gas (Mar- keted Pro- duction)	Total Crude Oil and Natural Gas	Total Mineral Fuels		
				Domestic Pro- duction	Im- ports					
1949 ¹	1,084	11,397	12,481	10,674	898	6,181	17,753	30,234	1,552	31,786
1948 ¹	1,451	15,707	17,158	11,717	745	5,534	17,996	35,154	1,481	36,635
1947	1,453	16,522	17,975	10,771	576	4,926	16,273	34,248	1,426	35,674
1946	1,537	13,989	15,526	10,057	517	4,333	14,907	30,433	1,406	31,839
1945	1,395	15,134	16,529	9,939	429	4,213	14,581	31,110	1,442	32,552
1944	1,618	16,233	17,851	9,732	260	3,989	13,981	31,832	1,344	33,176
1943	1,540	15,463	17,003	8,733	80	3,671	12,484	29,487	1,304	30,791
1942	1,532	15,267	16,799	8,043	71	3,282	11,396	28,195	1,136	29,331
1941	1,432	13,471	14,903	8,133	294	3,024	11,451	26,354	934	27,288
1940	1,308	12,072	13,380	7,849	247	2,860	10,956	24,336	880	25,216
1939	1,308	10,345	11,653	7,337	192	2,663	10,192	21,845	838	22,683
1938	1,171	9,132	10,303	7,043	153	2,468	9,664	19,967	866	20,833
1937	1,317	11,673	12,990	7,419	159	2,588	10,166	23,156	871	24,027
1936	1,386	11,504	12,890	6,378	187	2,330	8,895	21,785	812	22,597
1935	1,325	9,756	11,081	5,780	187	2,060	8,027	19,108	806	19,914
1934	1,452	9,415	10,867	5,267	206	1,904	7,377	18,244	698	18,942
1933	1,258	8,741	9,999	5,253	185	1,672	7,110	17,109	711	17,820
1932	1,266	8,114	9,380	4,554	259	1,673	6,486	15,866	713	16,579
1931	1,515	10,011	11,526	4,936	274	1,813	7,023	18,549	668	19,217
1930	1,762	12,249	14,011	5,208	360	2,089	7,657	21,668	752	22,420
1929	1,875	14,017	15,892	5,842	458	2,062	8,362	24,254	816	25,070
1928	1,914	13,120	15,034	5,229	463	1,686	7,378	22,412	854	23,266
1927	2,034	13,565	15,599	5,227	339	1,553	7,119	22,718	776	23,494
1926	2,145	15,022	17,167	4,471	350	1,411	6,232	23,399	728	24,127
1925	1,570	13,625	15,195	4,430	359	1,278	6,067	21,262	668	21,930
1924	2,233	12,672	14,905	4,141	451	1,228	5,820	20,725	648	21,373
1923	2,371	14,792	17,163	4,248	476	1,083	5,807	22,970	685	23,655
1922	1,389	11,063	12,452	3,234	738	820	4,792	17,244	643	17,887
1921	2,298	10,897	13,195	2,739	727	712	4,178	17,373	620	17,993
1920	2,276	14,899	17,175	2,569	616	858	4,043	21,218	738	21,956
1919	2,238	12,206	14,444	2,195	306	802	3,303	17,747	718	18,465
1918	2,510	15,180	17,690	2,064	219	775	3,058	20,748	701	21,449
1917	2,530	14,457	16,987	1,945	175	855	2,975	19,962	700	20,662
1916	2,224	13,166	15,390	1,744	121	810	2,675	18,065	681	18,746
1915	2,260	11,597	13,857	1,630	105	676	2,411	16,268	659	16,927
1914	2,307	11,075	13,382	1,541	98	636	2,275	15,657	636	16,293
1913	2,325	12,535	14,860	1,441	98	626	2,165	17,025	609	17,634
1912	2,143	11,793	13,936	1,293	40	604	1,937	15,873	585	16,458
1911	2,298	10,635	12,933	1,279	8	551	1,838	14,771	585	15,356
1910	2,146	10,928	13,074	1,215	3	547	1,765	14,839	539	15,378
1909	2,059	9,949	12,008	1,062	....	517	1,579	13,587	513	14,100
1908	2,115	8,713	10,828	1,035	....	432	1,467	12,295	476	12,771
1907	2,174	10,343	12,517	963	....	437	1,400	13,917	441	14,358
1906	1,811	8,983	10,794	734	....	418	1,152	11,946	414	12,360
1905	1,973	8,255	10,228	781	....	377	1,158	11,386	386	11,772
1904	1,858	7,301	9,159	679	....	333	1,012	10,171	354	10,525
1903	1,895	7,408	9,303	583	....	319	902	10,205	321	10,526
1902	1,051	6,818	7,869	515	....	301	816	8,685	289	8,974
1901	1,714	5,917	7,631	402	....	283	685	8,316	264	8,580
1900	1,457	5,563	7,020	369	....	254	623	7,643	250	7,893
1899	1,535	5,065	6,600	331	...	240	571	7,171	238	7,409
1889	1,157	2,507	3,664	204	....	268	472	4,136	(*)	(*)

¹ Preliminary.

² The unit heat values employed are: anthracite, 12,700 Btu per lb; bituminous coal and lignite, 13,100 Btu per lb; crude oil, 5,800,000 Btu per bbl; natural gas, 1,075 Btu per cu ft. Water power includes installations owned by manufacturing plants and mines, as well as government and privately owned public utilities. The fuel equivalent of water power is calculated from the kilowatt-hours of power produced whenever these data are available; the same is true for all public-utility plants since 1919. Otherwise the fuel equivalent is calculated from the reported horsepower of installed water wheels—assuming a capacity factor of 20 per cent for manufacturers and mines, and 40 per cent for public utilities.

³ Fuel equivalent is calculated by assuming the average central-station practice for each of the years for which data are available.

⁴ Data not available.

Authority: Bureau of Mines.

Crude Oil and Natural Gas Supply More Than Half of U. S. Energy

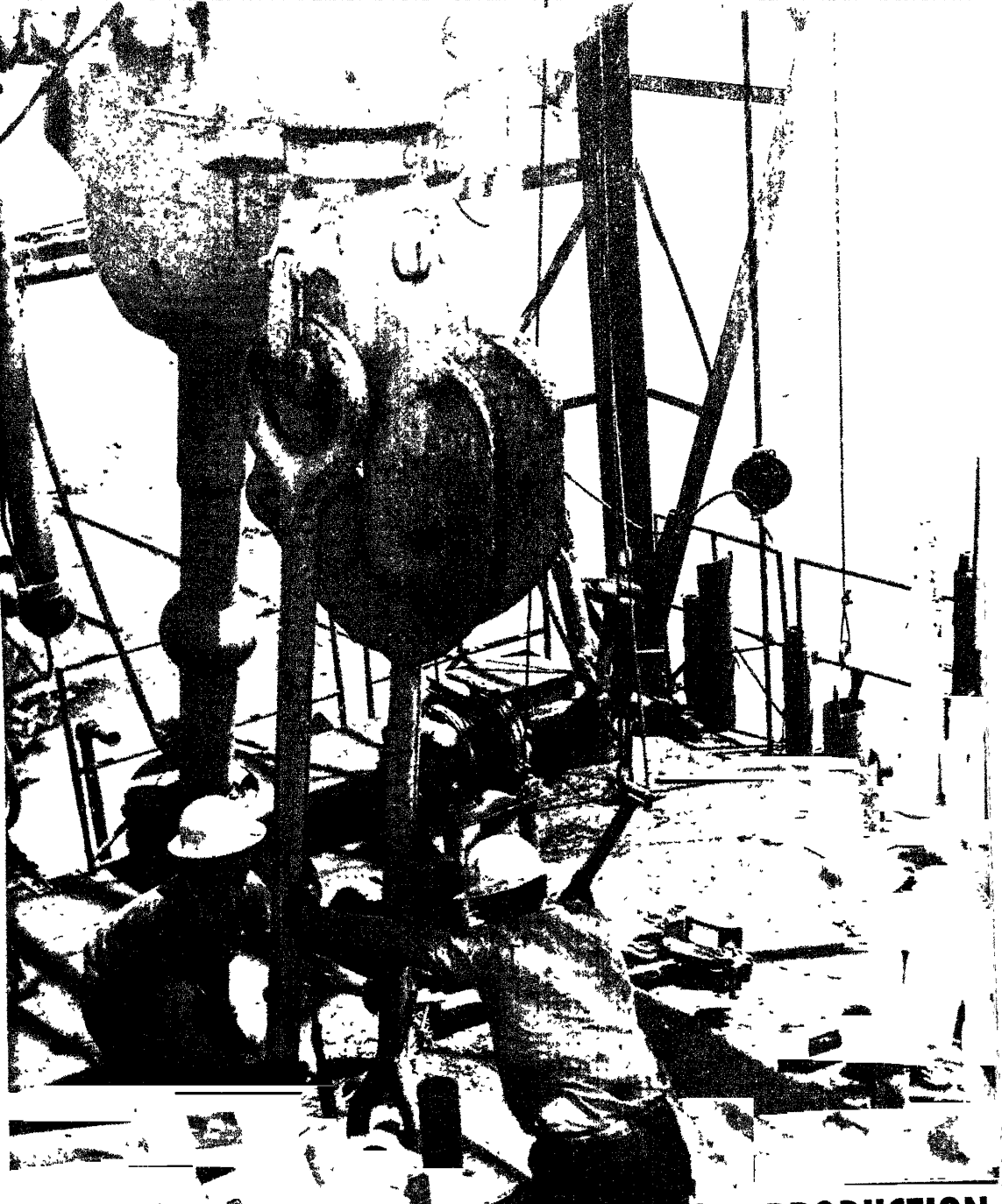
U. S. PERCENTAGE OF TOTAL EQUIVALENT BRITISH THERMAL UNITS CONTRIBUTED BY MINERAL FUELS AND WATER POWER, BY YEARS, 1899-1949²

Year	Coal			Petroleum					Total Mineral Fuels and Water Power	
	Pennsylvania Anthracite Coal	Bituminous Coal and Lignite	Total Coal	Crude Oil		Natural Gas (Marketed Production)	Total Crude Oil and Natural Gas	Total Mineral Fuels		Water Power
				Domestic Production	Imports					
1949 ¹	3.4	35.9	39.3	33.6	2.8	19.4	55.8	95.1	4.9	100.0
1948 ¹	4.0	42.9	46.9	32.0	2.0	15.1	49.1	96.0	4.0	100.0
1947.....	4.1	46.3	50.4	30.2	1.6	13.8	45.6	96.0	4.0	100.0
1946.....	4.8	44.0	48.8	31.6	1.6	13.6	46.8	95.6	4.4	100.0
1945.....	4.3	46.5	50.8	30.5	1.3	13.0	44.8	95.6	4.4	100.0
1944.....	4.9	48.9	53.8	29.3	0.8	12.0	42.1	95.9	4.1	100.0
1943.....	5.0	50.2	55.2	28.4	0.3	11.9	40.6	95.8	4.2	100.0
1942.....	5.2	52.1	57.3	27.4	0.2	11.2	38.8	96.1	3.9	100.0
1941.....	5.2	49.4	54.6	29.8	1.1	11.1	42.0	96.6	3.4	100.0
1940.....	5.2	47.9	53.1	31.1	1.0	11.3	43.4	96.5	3.5	100.0
1939.....	5.8	45.6	51.4	32.3	0.9	11.7	44.9	96.3	3.7	100.0
1938.....	5.6	43.8	49.4	33.8	0.7	11.9	46.4	95.8	4.2	100.0
1937.....	5.5	48.6	54.1	30.9	0.6	10.8	42.3	96.4	3.6	100.0
1936.....	6.1	50.9	57.0	28.2	0.9	10.3	39.4	96.4	3.6	100.0
1935.....	6.7	49.0	55.7	29.0	0.9	10.4	40.3	96.0	4.0	100.0
1934.....	7.7	49.7	57.4	27.8	1.1	10.0	38.9	96.3	3.7	100.0
1933.....	7.1	49.0	56.1	29.5	1.0	9.4	39.9	96.0	4.0	100.0
1932.....	7.6	49.0	56.6	27.5	1.5	10.1	39.1	95.7	4.3	100.0
1931.....	7.9	52.1	60.0	25.7	1.4	9.4	36.5	96.5	3.5	100.0
1930.....	7.9	54.6	62.5	23.2	1.6	9.3	34.1	96.6	3.4	100.0
1929.....	7.5	55.9	63.4	23.3	1.8	8.2	33.3	96.7	3.3	100.0
1928.....	8.2	56.4	64.6	22.5	2.0	7.2	31.7	96.3	3.7	100.0
1927.....	8.7	57.7	66.4	22.3	1.4	6.6	30.3	96.7	3.3	100.0
1926.....	8.9	62.3	71.2	18.5	1.5	5.8	25.8	97.0	3.0	100.0
1925.....	7.2	62.1	69.3	20.2	1.7	5.8	27.7	97.0	3.0	100.0
1924.....	10.5	59.3	69.8	19.4	2.1	5.7	27.2	97.0	3.0	100.0
1923.....	10.0	62.6	72.6	17.9	2.0	4.6	24.5	97.1	2.9	100.0
1922.....	7.8	61.8	69.6	18.1	4.1	4.6	26.8	96.4	3.6	100.0
1921.....	12.8	60.6	73.4	15.2	4.0	4.0	23.2	96.6	3.4	100.0
1920.....	10.4	67.8	78.2	11.7	2.8	3.9	18.4	96.6	3.4	100.0
1919.....	12.1	66.1	78.2	11.9	1.7	4.3	17.9	96.1	3.9	100.0
1918.....	11.7	70.8	82.5	9.6	1.0	3.6	14.2	96.7	3.3	100.0
1917.....	12.2	70.0	82.2	9.4	0.9	4.1	14.4	96.6	3.4	100.0
1916.....	11.9	70.2	82.1	9.3	0.7	4.3	14.3	96.4	3.6	100.0
1915.....	13.4	68.5	81.9	9.6	0.6	4.0	14.2	96.1	3.9	100.0
1914.....	14.1	68.0	82.1	9.5	0.6	3.9	14.0	96.1	3.9	100.0
1913.....	13.2	71.0	84.2	8.2	0.6	3.5	12.3	96.5	3.5	100.0
1912.....	13.0	71.7	84.7	7.8	0.2	3.7	11.7	96.4	3.6	100.0
1911.....	15.0	69.3	84.3	8.3	0.1	3.6	12.0	96.3	3.7	100.0
1910.....	13.9	71.1	85.0	7.9	...	3.6	11.5	96.5	3.5	100.0
1909.....	14.6	70.6	85.2	7.5	...	3.7	11.2	96.4	3.6	100.0
1908.....	16.6	68.2	84.8	8.1	...	3.4	11.5	96.3	3.7	100.0
1907.....	15.2	72.0	87.2	6.7	...	3.0	9.7	96.9	3.1	100.0
1906.....	14.7	72.7	87.4	5.9	...	3.4	9.3	96.7	3.3	100.0
1905.....	16.8	70.1	86.9	6.6	...	3.2	9.8	96.7	3.3	100.0
1904.....	17.6	69.4	87.0	6.4	...	3.2	9.6	96.6	3.4	100.0
1903.....	18.0	70.4	88.4	5.6	...	3.0	8.6	97.0	3.0	100.0
1902.....	11.7	76.0	87.7	5.7	...	3.4	9.1	96.8	3.2	100.0
1901.....	20.0	68.9	88.9	4.7	...	3.3	8.0	96.9	3.1	100.0
1900.....	18.4	70.5	88.9	4.7	...	3.2	7.9	96.8	3.2	100.0
1899.....	20.7	68.4	89.1	4.5	...	3.2	7.7	96.8	3.2	100.0

¹ Preliminary.

² Percentages based on figures in table, p. 117.

Authority: Bureau of Mines.



PRODUCTION

PRODUCTION

NOTE Footnote (1) is used throughout the book to indicate a preliminary figure

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Petroleum Industry Grows to Meet Rising Demand for Its Products

MISCELLANEOUS PETROLEUM STATISTICS, 1920-1949

Year	Number of Wells Drilled	Production		Pipe-Line Transportation		Refining		Marketing	
		Number of Wells Producing	Crude Oil Produced (Thousands of Barrels)	Miles of Pipe Lines in Operation	Crude Oil Moved by Pipe Lines (Thousands of Barrels)	Crude-Oil Runs to Stills (Thousands of Barrels)	Motor Fuel Produced (Thousands of Barrels)	Domes-tic Motor-Fuel Demand (Thousands of Barrels)	Number of Vehicles Served (Thousands)
1949 ¹	39,038	449,545	1,840,307	(²)	(²)	1,945,519	961,791	912,877	44,120
1948	39,778	437,880	2,020,185	124,092	2,719,542	2,048,349	921,923	871,270	40,622
1947	33,173	426,280	1,856,987	119,298	2,481,861	1,852,246	839,998	795,015	37,360
1946	29,225	421,460	1,733,939	116,544	2,272,226	1,730,197	776,583	735,417	33,946
1945	26,875	415,750	1,713,655	113,351	2,379,244	1,719,534	798,194	696,333	30,638
1944	25,260	412,220	1,677,904	111,615	2,398,087	1,665,684	739,340	632,482	30,086
1943	19,431	407,170	1,505,613	108,783	2,080,328	1,429,738	608,180	568,238	30,500
1942	19,824	404,840	1,386,645	106,485	1,779,860	1,334,103	608,900	589,110	32,579
1941	32,053	399,960	1,402,228	105,435	1,638,703	1,409,192	701,294	667,505	34,472
1940	30,041	389,010	1,353,214	100,156	1,421,377	1,294,162	616,695	589,490	32,035
1939	27,717	380,390	1,264,962	98,681	1,228,028	1,237,840	611,043	555,509	30,615
1938	27,493	369,640	1,214,355	95,938	1,172,350	1,165,015	569,162	523,003	29,443
1937	33,075	363,030	1,279,160	96,612	1,288,420	1,183,440	571,727	519,352	29,706
1936	25,890	349,450	1,099,687	94,060	1,101,717	1,068,570	516,266	481,606	28,172
1935	21,420	340,990	996,596	92,037	1,058,840	965,790	468,021	434,810	26,230
1934	18,197	333,070	908,065	93,070	1,213,652	895,636	423,801	407,106	24,954
1933	12,312	326,850	905,656	93,724	1,189,086	861,254	407,932	377,003	23,877
1932	15,040	321,500	785,159	92,782	1,120,843	819,997	399,712	373,900	24,133
1931	12,432	315,850	851,081	93,090	1,127,796	894,608	437,453	403,418	25,862
1930	21,240	331,070	898,011	88,728	1,172,165	927,447	440,728	394,800	26,532
1929	26,356	328,200	1,007,323	85,796	1,156,351	987,708	439,393	375,999	26,503
1928	22,331	327,800	901,474	81,676	1,053,191	913,295	380,990	332,033	24,512
1927	24,143	323,300	901,129	76,070	989,427	828,835	334,049	299,818	23,140
1926	29,319	318,600	770,874	72,846	835,583	779,264	302,769	264,391	22,053
1925	25,623	306,100	763,743	70,009	831,200	739,920	262,252	226,329	19,941
1924	21,888	299,100	713,940	68,185	757,678	643,719	215,529	187,022	17,613
1923	24,438	290,100	732,407	64,760	653,397	581,238	182,230	158,720	15,102
1922	24,689	284,880	557,531	57,349	651,260	500,706	149,360	129,388	12,274
1921	21,937	274,500	472,183	55,260	525,516	443,363	124,052	108,644	10,494
1920	33,911	251,000	442,929	48,712	533,976	433,915	118,022	102,937	9,239

¹ Preliminary.

² Not available.

Authority: Bureau of Mines; Interstate Commerce Commission; Bureau of Public Roads; American Petroleum Institute.

MISCELLANEOUS PETROLEUM STATISTICS

Indexes: 1935-1939 = 100

Year	Number of Wells Drilled	Number of Wells Pro- ducing	Crude Oil Pro- duced	Miles of Pipe Line in Opera- tion (²)	Crude Oil Moved by Pipe Line (²)	Crude- Oil Runs to Stills	Motor Fuel Pro- duced	Domes- tic Motor- Fuel De- mand	Number of Vehicles Served
1949 ¹	144.0	124.6	157.2			173.1	175.8	181.5	153.0
1948	146.7	121.4	172.5	130.0	232.5	182.2	168.5	173.3	140.9
1947	122.3	118.2	158.6	125.0	212.1	164.8	153.5	158.1	129.6
1946	107.8	116.8	148.1	122.1	194.2	153.9	141.9	146.2	117.7
1945	99.1	115.3	146.3	118.7	203.4	153.0	145.9	138.5	106.3
1944	93.1	114.3	143.3	116.9	205.0	148.2	135.1	125.8	104.3
1943	71.7	112.9	128.6	113.9	177.8	127.2	111.1	113.0	105.8
1942	73.1	112.2	118.4	111.5	152.1	118.7	111.3	117.2	113.0
1941	118.2	110.9	119.8	110.4	140.1	125.4	128.2	132.7	119.6
1940	110.8	107.8	115.6	104.9	121.5	115.1	112.7	117.2	111.1
1939	102.2	105.5	108.0	103.4	105.0	110.1	111.7	110.5	106.2
1938	101.4	102.5	103.7	100.5	100.2	103.6	104.0	104.0	102.1
1937	122.0	100.6	109.2	101.2	110.1	105.3	104.5	103.3	103.0
1936	95.5	96.9	93.9	98.5	94.2	95.1	94.3	95.8	97.7
1935	79.0	94.5	85.1	96.4	90.5	85.9	85.5	86.5	91.0
1934	67.1	92.3	77.5	97.5	103.7	79.7	77.4	81.0	86.5
1933	45.4	90.6	77.3	98.2	101.6	76.6	74.5	75.0	82.8
1932	55.5	89.1	67.1	97.2	95.8	72.9	73.0	74.4	83.7
1931	45.8	87.6	72.7	97.5	96.4	79.6	79.9	80.2	89.7
1930	78.3	91.8	76.7	92.9	100.2	82.5	80.5	78.5	92.0
1929	97.2	91.0	86.0	89.9	98.8	87.9	80.3	74.8	91.9
1928	82.3	90.9	77.0	85.6	90.0	81.2	69.6	66.0	85.0
1927	89.0	89.6	77.0	79.7	84.6	73.7	61.0	59.6	80.3
1926	108.1	88.3	65.8	76.3	71.4	69.3	55.3	52.6	76.5
1925	94.5	84.9	65.2	73.3	71.1	65.8	47.9	45.0	69.2
1924	80.7	82.9	61.0	71.4	64.8	57.3	39.4	37.2	61.1
1923	90.1	80.4	62.5	67.8	55.9	51.7	33.3	31.6	52.4
1922	91.0	79.0	47.6	60.1	55.7	44.5	27.3	25.7	42.6
1921	80.9	76.1	40.3	57.9	44.9	39.4	22.7	21.6	36.4
1920	125.0	69.6	37.8	51.0	45.6	38.6	21.6	20.5	32.0

¹ Preliminary.

² Not available.

Authority: Computed by American Petroleum Institute from Bureau of Mines, Interstate Commerce Commission, and Bureau of Public Roads data

Oil-Industry Drilling Activity at Record Level in 1949

DRILLING OPERATIONS AND AVERAGE PRICE OF CRUDE OIL IN THE UNITED STATES, 1906-1949

Year	Total Wells Drilled ²	Average Price Per Barrel of Crude Oil (Dollars)	Major Fields Discovered in U. S.
1949 ¹	37,633	\$2.54	South Cuyama, California
1948	37,358	2.60	Scurry County, Texas; Russell Ranch, California
1947	30,893	1.93	Elk City, Oklahoma
1946	26,988	1.41	
1945	24,666	1.22	
1944	23,104	1.21	
1943	17,884	1.20	
1942	18,064	1.19	
1941	29,687	1.14	
1940	28,094	1.02	
1939	26,297	1.02	
1938	26,805	1.13	
1937	31,622	1.18	Salem and Loudon, Illinois; Wilmington, California
1936	25,167	1.09	
1935	20,975	0.965	Rodessa, Arkansas, Louisiana, Texas
1934	18,197	0.996	
1933	12,312	0.67	
1932	15,040	0.87	
1931	12,432	0.65	Conroe, Texas
1930	21,240	1.19	East Texas, Texas
1929	26,356	1.27	Oklahoma City, Oklahoma
1928	22,331	1.17	Kettleman Hills, California
1927	24,143	1.30	
1926	29,319	1.88	{ Eldorado-Augusta, Kansas; Yates, Texas Seminole and Ventura Avenue, California
1925	25,623	1.68	
1924	21,888	1.43	Gray County, Texas
1923	24,438	1.34	Inglewood, California
1922	24,689	1.606	Dominguez, California
1921	21,937	1.725	Smackover, Arkansas; Bristow-Slick, Oklahoma
			Long Beach and Santa Fe Springs, California
1920	33,911	3.075	Huntington Beach, California; Burbank, Oklahoma
1919	29,173	2.098	Elk Hills, California
1918	25,687	1.977	
1917	23,407	1.56	Montebello, California
1916	24,619	1.10	Breckenridge, Texas
1915	14,157	0.64	
1914	23,137	0.81	Cushing and Healdton, Oklahoma
1913	25,590	0.95	Holliday, Texas
1912	17,180	0.74	Burkburnett, Texas; Coyote, California
1911	13,768	0.61	Electra, Texas
1910	14,940	0.61	
1909	18,327	0.70	
1908	16,909	0.72	
1907	19,872	0.72	
1906	19,057	0.73	Caddo, Louisiana

¹ Preliminary.

² Does not include service wells.

Authority: American Petroleum Institute; Bureau of Mines; *World Oil*; *Oil and Gas Journal*.

U. S. GEOPHYSICAL AND CORE-DRILLING OPERATIONS, AVERAGES

Year	(Number of Crews)					Total Geophysical Drilling	Total Geophysical and Core- Drilling
	Seismic	Gravi- metric	Magnetic	Electrical			
1950 (4 months)	351	45	7 ²	..	403	22	425
1949	404	72	8	..	484	35	519
1948	417	93	11	..	521	44	565
1947	277	83	14	..	374	47	421
1946 (8 months)	245	102	24	..	371	50	421
1945 (6 months)	358	173	29	1	561	57	618
1944	294	118	16	2	430	48	478
1943	239	62	6	2	309	33	342
1942	226	58	13	3	300	24	324
1941	188	54	14	3	259	18	277
1940	181	68	11	5	265	17	282
1939	169	57	13	4	243	5	248
1938	184	48	15	7	254	5	259
1937	199	46	5	7	257	..	257

² Includes two electrical prospecting operations.

Authority: Interstate Oil Compact Commission.

Exploratory Drilling Activity Increases Each Year

U. S. CRUDE-OIL EXPLORATION, DISCOVERY, AND PRODUCTION, 1937-1949 ¹

	Number of Exploratory Wells Drilled	New Crude Oil Discovered	Crude-Oil Production
		(Millions of Barrels)	
1949	9,058	3,188	1,840 ¹
1948	8,013	3,795	2,020
1947	6,775	2,465	1,857
1946	5,753	2,658	1,734
1945	5,613	2,110	1,714
1944	4,796	2,068	1,678
1943	4,008	1,485	1,506
1942	3,212	1,879	1,387
1941	3,264	1,969	1,402
1940	3,038	1,893	1,353
1939	2,702	2,399	1,265
1938	2,638	3,054	1,214
1937	1,140	3,722	1,279

¹ Preliminary.

² Sources for this table are: exploratory wells, Frederic H. Lahee, Sun Oil Co.; new crude oil discovered, American Petroleum Inst.; crude-oil production, Bureau of Mines.

Authority: See footnote (2).

CLASSIFICATION OF EXPLORATORY WELLS

	I. Classification when Drilling is started		II. Classification after Completion or Abandonment	
	A		Successful	Unsuccessful
Drilling for a new pool on a structure or in a geological environment already productive	New-pool tests	1	1	1
		Outpost (Extension test)	Extension well (Sometimes a new-pool discovery well)	Dry outpost (Dry extension test)
		2a	2a	2a
		Shallower-pool test	Shallower-pool discovery well (Sometimes shallower-pool extension well)	Dry shallower-pool test
Drilling for a new pool on a structure or in a geological environment already productive	New-pool tests	2b	2b	2b
		Deeper-pool test	Deeper-pool discovery well (Sometimes deeper-pool extension)	Dry deeper-pool test
		2c	2c	2c
		New-pool wildcat	New-pool discovery wildcat (Sometimes an extension well)	Dry new-pool wildcat
Drilling for a new field (on a structure or in an environment never before productive)	New-pool tests	3	3	3
		New-field wildcat	New-field discovery wildcat	Dry new-field wildcat

Authority Frederic H. Lahee, in *Bulletin of the American Association of Petroleum Geologists*.

5,000 Miles of Exploratory Dry Holes Are Drilled in Search for Oil in 1949

OIL, GAS, AND CONDENSATE WELLS AND DRY HOLES DRILLED IN THE UNITED STATES AS EXPLORATORY TESTS IN 1949

State	Oil Producers			Gas Producers			Condensate Producers			Total Producers			Dry Holes			Total Producers and Dry Holes			Average Depth ²
	Number of Wells	Footage	Number of Wells	Number of Wells	Footage	Number of Wells	Number of Wells	Footage	Number of Wells	Footage	Number of Wells	Footage	Holes	Footage	Number	Footage	Number	Footage	
Alabama	0	0	0	0	0	0	0	0	0	0	0	0	15	81,826	15	81,826	15	81,826	...
Arizona	0	0	0	0	0	0	0	0	0	0	0	0	4	11,818	4	11,818	4	11,818	...
Arkansas	11	50,801	3	12,033	7,403	1	1	7,403	15	70,237	15	70,237	109	378,723	124	448,960	124	448,960	3,621
California	60	206,863	13	56,706	0	0	0	0	73	263,569	73	263,569	515	1,874,932	588	2,138,501	588	2,138,501	3,637
Colorado	1	435	1	4,223	0	0	0	0	2	4,658	2	4,658	50	198,972	52	203,630	52	203,630	3,916
Florida	1	11,585	0	0	0	0	0	0	1	11,585	1	11,585	21	133,465	22	145,050	22	145,050	....
Georgia	0	0	0	0	0	0	0	0	0	0	0	0	8	15,536	8	15,536	8	15,536	....
Illinois	96	203,143	4	2,902	0	0	0	0	100	206,045	100	206,045	695	1,417,253	795	1,623,298	795	1,623,298	2,042
Indiana	61	93,685	7	7,816	0	0	0	0	68	101,701	68	101,701	364	1,717,623	432	819,324	432	819,324	1,897
Kansas	127	420,339	14	40,402	0	0	0	0	141	460,741	141	460,741	539	1,844,857	680	2,305,598	680	2,305,598	3,391
Kentucky	36	56,774	13	17,409	0	0	0	0	49	74,183	49	74,183	134	236,959	183	311,142	183	311,142	1,700
Louisiana	71	614,909	10	89,603	41	434,593	0	0	122	1,139,105	122	1,139,105	315	2,322,773	437	3,461,878	437	3,461,878	7,922
Maryland	0	0	1	4,910	0	0	0	0	1	4,910	1	4,910	0	0	1	4,910	1	4,910	....
Michigan	26	59,286	4	10,397	0	0	0	0	30	69,683	30	69,683	320	691,596	350	761,279	350	761,279	2,175
Mississippi	8	59,711	0	0	3	25,433	0	0	11	85,144	11	85,144	105	724,019	116	809,163	116	809,163	6,975
Missouri	0	0	0	0	0	0	0	0	0	0	0	0	13	6,867	13	6,867	13	6,867	....
Montana	8	21,977	4	9,396	0	0	0	0	12	31,373	12	31,373	54	184,909	66	216,282	66	216,282	3,277
Nebraska	2	4,567	0	5,195	0	0	0	0	3	9,762	3	9,762	11	41,102	14	50,584	14	50,584	....
New Mexico	23	182,614	2	15,247	0	0	0	0	25	197,861	25	197,861	70	293,361	95	491,722	95	491,722	5,171
New York	0	0	0	0	0	0	0	0	0	0	0	0	14	33,105	14	33,105	14	33,105	..
North Carolina	0	0	0	0	0	0	0	0	0	0	0	0	1	1,280	1	1,280	1	1,280	....
North Dakota	0	0	0	29,053	0	0	0	0	16	43,215	16	43,215	36	14,374	4	14,374	4	14,374	....
Ohio	5	14,162	10	74,604	2	10,922	0	0	169	643,995	169	643,995	656	2,328,918	825	2,972,913	825	2,972,913	3,111
Oklahoma	143	558,469	24	74,604	0	0	0	0	0	0	0	0	1	6,480	1	6,480	1	6,480	3,604
Oregon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	....
Pennsylvania	0	0	18	76,028	0	0	0	0	18	76,028	18	76,028	29	103,123	47	179,151	47	179,151	3,812
South Dakota	0	0	0	0	0	0	0	0	0	0	0	0	6	16,869	6	16,869	6	16,869	....
Tennessee	6	6,542	1	1,653	0	0	0	0	7	8,195	7	8,195	40	33,894	47	42,089	47	42,089	896
Texas	676	3,145,165	117	583,037	92	740,867	0	0	885	4,469,069	885	4,469,069	2,893	11,608,832	3,778	16,077,901	3,778	16,077,901	4,256
Utah	2	18,249	0	0	0	0	0	0	2	18,249	2	18,249	24	135,799	26	154,048	26	154,048	5,925
Virginia	2	4,818	7	28,205	0	0	0	0	9	33,023	9	33,023	3	19,149	12	52,172	12	52,172	...
Washington	0	0	0	0	0	0	0	0	0	0	0	0	2	4,910	2	4,910	2	4,910	....
West Virginia	1	1,167	30	113,986	0	0	0	0	31	115,153	31	115,153	26	118,271	57	233,424	57	233,424	4,095
Wyoming	39	214,999	1	7,207	0	0	0	0	40	222,206	40	222,206	151	717,960	191	940,166	191	940,166	4,922
U. S. total	1,406	5,950,460	285	1,190,012	139	1,219,218	1,830	8,359,690	7,228	26,438,601	9,058	34,798,291	9,058	34,798,291	9,058	34,798,291	9,058	34,798,291	3,842

² Average per-well footage given only where 25 or more wells drilled in a state.

Authority: Frederic H. Lohse, in *Bulletin of the American Association of Petroleum Geologists*

Extensive Exploratory Drilling Program Assures Adequate U. S. Reserves

NUMBER OF EXPLORATORY HOLES DRILLED IN THE UNITED STATES, BY STATES AND BY CLASSES, 1949

State	Outposts		New-Pool Wildcats		Deeper-Pool Tests		Shallower-Pool Tests		Total New-Pool Tests		New-Pool Wildcats		Total Exploratory Holes		Total Exploratory Holes
	Producers	Dry Holes	Producers	Dry Holes	Producers	Dry Holes	Producers	Dry Holes	Producers	Dry Holes	Producers	Dry Holes	Producers	Dry Holes	
Alabama	1	...	...	...	...	...	1	...	14	..	15	15
Arizona	8	..	4	4
Arkansas	..	8	...	13	...	...	...	...	...	2	...	86	15	109	124
California	..	60	19	84	9	33	...	2	28	119	4	336	73	515	588
Colorado	..	5	...	...	1	...	...	...	1	1	2	44	2	50	52
Florida	..	1	...	...	...	...	...	...	...	...	...	20	1	21	22
Georgia	8	...	8	8
Illinois	..	302	4	49	5	37	2	5	11	91	24	302	100	695	795
Indiana	..	10	27	81	10	3	...	...	65	84	25	270	68	325	432
Kansas	..	88	60	220	5	...	...	...	...	220	25	231	141	539	680
Kentucky	..	11	23	26	2	10	2	...	27	36	13	87	49	134	183
Louisiana	..	81	16	38	5	16	1	1	22	55	44	179	122	315	437
Maryland	1	...	1
Michigan	..	56	7	46	...	4	...	...	8	50	16	214	30	320	350
Mississippi	..	9	..	6	1	...	1	...	2	6	7	90	11	105	116
Missouri	13	...	13	13
Montana	..	12	5	10	2	7	...	...	7	17	3	25	12	54	66
Nebraska	2	1	1	...	...	1	3	2	8	3	11	14
New Mexico	..	6	...	1	1	6	1	...	4	7	10	57	25	70	95
New York	..	1	...	...	...	...	...	...	...	...	...	13	...	14	14
North Carolina	1	...	1	1
North Dakota	4	...	4	4
Ohio	..	2	1	1	...	3	1	...	3	4	6	30	16	36	52
Oklahoma	..	188	55	201	8	10	2	4	65	215	35	253	169	656	825
Oregon	1	...	1	1
Pennsylvania	6	5	1	7	...	...	7	12	4	8	18	29	47
South Dakota	6	...	6	6
Tennessee	..	4	...	...	...	1	...	...	1	2	35	7	7	40	47
Texas	..	588	222	599	73	224	40	16	335	839	251	1,466	885	2,893	3,778
Utah	..	3	...	...	...	...	...	...	...	...	2	21	2	24	26
Virginia	2	...	...	...	...	...	2	...	4	3	9	3	12
Washington	2	...	2	2
West Virginia	..	8	...	...	...	...	2	...	11	3	...	15	31	26	57
Wyoming	..	32	10	15	5	7	4	...	19	22	12	97	40	151	191
U. S. total	668	1,484	469	1,399	130	372	57	30	656	1,801	506	3,943	1,830	7,228	9,059

* Includes new-pool wildcats, deeper-pool tests, and shallower-pool tests.

Authority: Frederic H. Lahee, in *Bulletin of the American Association of Petroleum Geologists*.

U. S. TOTAL AND PERCENTAGE EXPLORATORY DRILLING BY CLASSES,² 1947, 1948, AND 1949

	1949			1948			1947		
	Number	Well Per Cent	Class Per Cent	Number	Well Per Cent	Class Per Cent	Number	Well Per Cent	Class Per Cent
Outposts:									
Producers	668	31.04		490	27.74		489	31.71	
Dry holes	1,484	68.96		1,276	72.26		1,055	68.29	
Total	2,152	100.00	23.76	1,766	100.00	22.04	1,542	100.00	22.76
New-pool wildcats:									
Producers	469	25.11		325	22.12		324	26.64	
Dry holes	1,399	74.89		1,144	77.88		892	73.36	
Total	1,868	100.00	20.62	1,469	100.00	18.33	1,216	100.00	17.95
Deeper-pool tests:									
Producers	130	25.89		117	27.02		145	29.06	
Dry holes	372	74.11		316	72.98		354	70.95	
Total	502	100.00	5.54	433	100.00	5.40	499	100.00	7.37
Shallower-pool tests:									
Dry holes	57	65.52		30	58.82		26	68.42	
Producers	30	34.48		19	41.18		12	31.58	
Total	87	100.00	0.96	49	100.00	0.61	38	100.00	0.56
New-field wildcats:									
Producers	506	11.37		501	11.66		394	11.32	
Dry holes	3,943	88.63		3,795	88.34		3,086	88.68	
Total	4,449	100.00	49.12	4,296	100.00	53.62	3,480	100.00	51.36
Total producers	1,830	20.20		1,463	18.25		1,378	20.34	
Total dry holes	7,228	79.80		6,550	81.75		5,397	79.56	
Grand total	9,058	100.00	100.00	8,013	100.00	100.00	6,775	100.00	100.00

² For classification of exploratory wells, see p 123

Authority Frederic H. Lahee, in *Bulletin of the American Association of Petroleum Geologists*

Wildcat Drilling Has One Chance in Nine to Succeed

RELATIVE SUCCESS OF U. S. EXPLORATORY DRILLING,² 1944-1949

Year	New-Field Wildcats		All Exploratory Drilling	
	Number of Dry Holes for Each Producer	Percentage of Successful Wells	Number of Dry Holes for Each Producer	Percentage of Successful Wells
1949	7.79	11.37	3.95	20.20
1948	7.57	11.66	4.50	18.25
1947	7.80	11.32	3.90	20.34
1946	8.39	10.65	4.06	19.76
1945	7.63	11.59	3.62	21.64
1944	8.05	11.05	4.08	19.67
Average for the 6 years	7.85	11.29	4.02	19.90

² For classification of exploratory wells, see p. 123.

Authority Frederic H. Lahee, in *Bulletin of the American Association of Petroleum Geologists*

New Field Discoveries at 12-Year High in 1949

STATISTICS ON U. S. EXPLORATORY DRILLING, BY CLASSIFICATION² AND BY YEARS, 1938-1949

Year	A	B	Successful Exploratory Wells			E	F Number of Dry Ex- ploratory Holes Drilled For Each Producer ("D" Divided by "A")	G	H	I Number of Feet Drilled in Dry Holes For Each Producer ("H" Divided by "G")	J Total Exploratory Footage ("H" Plus "I")	K Average Depth of Well Divided by "E"
			Total Producers	New-Field Discovery Wells	"B" is What Per Cent of "A"							
1949.....	1,406 oil 285 gas 139 cond.	1,830	506	27.6	7,228	9,058	3.95	8,359,690	26,438,601	3.16	34,798,291	3,842
1948.....	1,098 oil 255 gas 110 cond.	1,463	501	34.2	6,550	8,013	4.48	7,179,450	25,561,647	3.56	32,741,097	4,086
1947.....	991 oil 325 gas 72 cond.	1,378	394	28.6	5,397	6,775	3.90	6,166,163	20,227,185	3.28	26,393,348	3,896
1946.....	762 oil 272 gas 103 cond.	1,137	333	29.3	4,622	5,759	4.06	5,286,711	16,911,032	3.18	22,197,743	3,854
1945.....	840 oil 274 gas 100 cond.	1,214	352	29.0	4,399	5,613	3.62	5,501,702	17,528,564	3.19	23,030,266	4,103
1944.....	709 oil 149 gas 86 cond.	944	342	36.2	3,852	4,796	4.08	4,382,220	15,843,667	3.61	20,225,887	4,217
1943.....	530 oil 147 gas 37 cond.	714	400	56.0	3,294	4,008	4.61	2,936,266	12,783,447	4.35	15,719,713	3,922
1942.....	410 oil 53 gas 29 cond.	492	268	54.5	2,720	3,212	5.52	2,158,707	9,965,287	4.62	12,123,994	3,775
1941.....	416 oil 60 gas 27 cond.	503	282	56.1	2,761	3,264	5.48	2,047,377	9,567,708	4.66	11,615,085	3,559
1940.....	302 oil 64 gas	366	241	65.8	2,672	3,038	7.30	1,411,550	8,842,418	6.26	10,253,948	3,375
1939.....	226 oil 49 gas	275	175	63.6	2,427	2,702	8.81	1,118,420	7,674,677	6.88	8,793,097	3,331
1938.....	294 oil 75 gas	369	226	61.2	2,269	2,638	6.14	1,526,557	7,333,927	4.8	8,860,484	3,359

² For classification of exploratory wells, see p. 123.

Authority: Frederic H. Labeo, in *Bulletin of the American Association of Petroleum Geologists*

NUMBER OF WELLS COMPLETED AND NUMBER OF WELLS PRODUCING, BY MAJOR AREAS
OF THE UNITED STATES, 1918-1949

Year	EASTERN				MID CONTINENT				GULF COAST				
	Wells Completed				Wells Completed				Wells Completed				
	Producing Oil Wells at End of Year		Service Wells		Producing Oil Wells at End of Year		Service Wells		Producing Oil Wells at End of Year		Service Wells		
	Oil	Gas	Dry	Total	Oil	Gas	Dry	Total	Oil	Gas	Dry	Total	
1949 ¹	...	4,802	1,126	3,675	10,859	12,786	1,400	6,949	126	1,700	201	1,002	2,903
1948 ¹	190,160	5,587	1,420	3,494	12,767	11,929	1,669	6,627	133	19,770	154	979	2,667
1947 ¹	189,400	5,187	1,264	2,884	180,640	8,972	1,281	5,335	68	15,658	19,010	1,352	2,150
1946 ¹	190,560	5,410	1,261	2,163	177,640	6,892	1,108	4,112	54	12,168	150	690	2,303
1945 ¹	189,210	4,845	1,495	2,358	175,310	6,218	1,202	3,938	42	11,400	75	518	1,437
1944 ¹	190,180	4,722	2,275	2,516	172,630	5,238	583	3,495	...	9,316	77	404	1,193
1943 ¹	189,900	3,846	1,367	2,215	170,950	3,823	307	3,420	...	7,450	77	381	873
1942 ¹	180,170	4,810	1,358	2,052	170,700	4,325	343	2,712	...	7,380	54	351	1,118
1941 ¹	186,940	5,973	1,222	2,366	172,040	9,702	631	3,748	...	14,081	54	449	1,950
1940 ¹	185,295	7,110	1,641	2,583	165,595	8,670	581	3,212	...	12,463	43	460	2,221
1939 ¹	183,060	6,268	2,317	1,420	11,530	8,125	539	3,255	...	11,919	73	492	2,200
1938 ¹	180,450	5,061	1,351	1,824	161,840	10,445	610	3,447	...	14,502	46	455	1,936
1937 ¹	176,430	3,922	1,773	1,548	154,320	13,933	746	4,027	...	18,706	71	483	1,748
1936 ¹	182,740	2,283	910	723	6,361	141,710	11,652	667	3,503	15,822	6,420	412	1,618
1935 ¹	182,970	2,456	806	698	4,405	134,240	10,077	474	3,288	13,839	57	432	1,428
1934 ¹	182,120	2,744	851	737	4,332	129,300	8,029	399	2,708	11,136	71	527	1,608
1933 ¹	180,670	1,691	621	550	2,862	126,240	4,880	250	2,093	7,223	28	426	1,584
1932 ¹	182,970	1,692	674	686	3,052	121,900	7,959	308	2,253	10,520	26	356	881
1931 ¹	181,480	1,155	1,298	825	3,282	117,040	4,917	601	2,165	7,683	377	25	731
1930 ¹	186,370	4,193	1,467	1,448	7,108	126,410	5,523	1,277	4,354	11,154	44	497	1,361
1929 ¹	187,080	6,905	1,468	1,599	9,972	122,020	6,376	1,242	5,084	12,702	64	648	1,733
1928 ¹	185,120	4,536	1,219	1,239	6,994	123,710	6,104	1,379	4,703	12,186	63	638	1,468
1927 ¹	184,420	5,029	1,132	1,132	7,331	119,390	7,236	1,256	4,914	13,406	16	465	1,145
1926 ¹	184,060	5,450	1,248	1,244	7,942	115,860	10,998	1,040	5,669	17,707	430	...	1,252
1925 ¹	181,860	4,934	1,352	1,333	7,619	106,590	8,904	920	4,451	14,275	9	348	1,154
1924 ¹	179,240	4,717	1,347	1,325	7,379	103,100	7,292	888	3,271	12,420	...	340	962
1923 ¹	178,964	5,330	1,336	1,607	8,293	96,700	8,628	962	3,712	11,351	...	407	1,132
1922 ¹	178,875	6,438	1,116	1,663	9,217	92,984	8,916	851	3,082	12,849	34	528	1,230
1921 ¹	172,650	5,719	1,012	1,786	8,517	88,000	7,395	1,044	2,853	11,929	39	427	994
1920 ¹	...	8,375	967	1,934	11,276	...	14,195	1,261	4,670	20,126	34	685	1,592
1919 ¹	...	...	1,072	1,720	11,040	...	11,421	1,018	3,626	...	18	563	1,206
1918 ¹	...	5,689	1,094	1,509	8,292	...	10,233	1,111	3,435	...	24	464	1,446

NUMBER OF WELLS COMPLETED AND NUMBER OF WELLS PRODUCING, BY MAJOR AREAS OF THE UNITED STATES, 1918-1949—Continued

Year	ROCKY MOUNTAIN					CALIFORNIA					UNITED STATES				
	Wells Completed					Wells Completed					Wells Completed				
	Producing Oil Wells at End of Year	Oil	Gas	Dry	Total	Producing Oil Wells at End of Year	Oil	Gas	Dry	Total	Producing Oil Wells at End of Year	Oil	Gas	Dry	Total
1949 ¹.....	.....	840	120	541	1,501	.....	1,777	39	675	2,491	449,545	21,905	2,886	12,842	39,015
1948.....	13,710	1,169	133	460	1,762	26,460	2,150	30	552	2,732	427,880	22,340	2,906	12,112	39,628
1947.....	12,810	899	179	273	1,351	24,420	1,599	47	461	2,107	426,280	17,931	3,307	9,625	33,173
1946.....	12,080	711	125	229	1,065	23,180	1,375	65	353	1,793	421,460	15,851	3,090	8,047	26,875
1945.....	11,460	700	70	253	1,023	22,220	1,690	56	404	2,150	415,750	14,297	2,898	7,471	26,875
1944.....	10,580	693	84	272	1,049	21,470	1,663	48	322	2,033	412,220	13,028	3,067	7,009	25,260
1943.....	9,970	443	41	171	655	19,700	1,150	30	267	1,447	407,170	9,717	1,782	6,385	19,431
1942.....	9,770	477	88	143	708	18,550	557	25	246	828	404,840	10,492	2,068	5,504	19,824
1941.....	9,180	509	92	154	755	16,700	921	18	179	1,118	399,960	19,552	3,007	7,128	32,053
1940.....	8,810	768	72	206	1,046	15,060	859	15	156	1,030	389,010	19,125	2,352	6,617	30,041
1939.....	8,240	745	48	159	952	14,670	852	13	251	1,116	380,390	17,625	2,198	6,474	27,717
1938.....	7,520	664	52	150	866	13,930	993	7	265	1,265	369,640	18,598	2,066	6,141	27,493
1937.....	7,070	783	69	188	1,040	13,460	1,147	17	314	1,478	363,030	22,366	2,676	6,560	33,075
1936.....	6,350	754	61	152	967	12,230	790	12	320	1,122	349,450	17,800	2,070	5,297	25,890
1935.....	6,070	462	30	146	638	12,780	729	34	347	1,110	340,990	14,663	1,401	4,911	21,420
1934.....	5,640	285	47	90	422	11,750	452	.....	247	699	333,070	12,520	1,368	4,309	18,197
1933.....	5,570	119	33	80	232	10,990	248	.....	163	411	326,850	8,068	932	3,312	12,312
1932.....	5,300	110	19	83	212	8,900	184	.....	191	375	321,500	10,444	1,027	3,569	15,040
1931.....	5,460	89	61	102	252	8,910	246	.....	238	484	315,850	6,788	1,985	3,659	12,432
1930.....	5,630	349	78	181	608	9,450	755	.....	254	1,009	331,070	11,640	2,866	6,734	21,240
1929.....	5,310	360	96	269	725	10,520	910	.....	314	1,224	328,200	15,572	2,870	7,914	26,356
1928.....	5,090	391	82	307	780	10,710	712	.....	191	903	327,800	12,526	2,727	7,078	22,331
1927.....	4,960	612	87	380	1,079	11,280	901	.....	281	1,182	323,300	14,442	2,461	7,210	24,143
1926.....	4,590	830	53	338	1,221	11,330	913	.....	284	1,197	318,600	19,013	2,341	7,965	29,319
1925.....	3,890	976	49	264	1,289	11,070	948	.....	338	1,286	306,100	16,559	2,330	6,734	25,623
1924.....	3,020	718	32	108	858	11,320	1,238	.....	.....	1,238	299,100	14,587	2,257	5,044	21,888
1923.....	2,640	543	59	139	741	9,396	980	.....	.....	980	290,100	16,206	2,367	5,865	24,438
1922.....	1,975	474	23	59	556	8,916	837	.....	.....	837	284,880	17,333	2,024	5,332	24,689
1921.....	1,620	320	16	94	430	9,980	704	.....	.....	704	274,500	14,666	2,111	5,160	21,937
1920.....	.....	258	12	75	345	.....	572	.....	.....	572	24,273	2,274	.....	7,364	33,911
1919.....	.....	199	27	77	303	.....	559	.....	.....	559	21,052	2,135	.....	5,986	29,173
1918.....	.....	292	...	142	434	.....	676	.....	63	739	17,845	2,229	.....	5,613	25,687

¹ Preliminary.

Authority American Petroleum Institute, Bureau of Mines, *World Oil, Oil and Gas Journal*

One-third of All Wells Drilled for Oil Are Dry

U. S. DRILLING ACTIVITY, BY YEARS

Year	Wells Completed					Dry Holes as Per Cent of Total (Exclusive of Service Wells)	Producing Oil Wells at End of Year
	Oil	Gas	Dry	Service Wells	Total		
1949 ¹	21,905	2,886	12,842	1,382	39,015	34.12	449,545 ²
1948	22,340	2,906	12,112	2,270	39,628	32.42	437,880
1947	17,961	3,307	9,625	2,280	33,173	31.16	426,280
1946	15,851	3,090	8,047	2,237	29,225	29.82	421,460
1945	14,297	2,898	7,471	2,209	26,875	30.29	415,750
1944	13,028	3,067	7,009	2,156	25,260	30.34	412,220
1943	9,717	1,782	6,385	1,547	19,431	35.70	407,170
1942	10,492	2,068	5,504	1,760	19,824	30.47	404,840
1941	19,552	3,007	7,128	2,366	32,053	24.01	399,960
1940	19,125	2,352	6,617	1,947	30,041	23.55	389,010
1939	17,625	2,198	6,474	1,420	27,717	24.62	380,390
1938	18,598	2,066	6,141	688	27,493	22.91	369,640
1937	22,386	2,676	6,560	1,453	33,075	20.75	363,030
1936	17,800	2,070	5,297	723	25,890	21.05	349,450
1935	14,663	1,401	4,911	445 ³	21,420	23.41	340,990
1934	12,520	1,368	4,309	....	18,197	23.68	333,070
1933	8,068	932	3,312	....	12,312	26.90	326,850
1932	10,444	1,027	3,569	....	15,040	23.73	321,500
1931	6,788	1,985	3,659	....	12,432	29.43	315,850
1930	11,640	2,866	6,734	....	21,240	31.70	331,070
1929	15,572	2,870	7,914	....	26,356	30.03	328,200
1928	12,526	2,727	7,078	....	22,331	31.70	327,800
1927	14,442	2,491	7,210	....	24,143	29.86	323,300
1926	19,013	2,341	7,965	....	29,319	27.17	318,600
1925	16,559	2,330	6,734	....	25,623	26.28	306,100
1924	14,587	2,257	5,044	....	21,888	23.04	299,100
1923	16,206	2,367	5,865	....	24,438	24.00	290,100
1922	17,333	2,024	5,332	....	24,689	21.60	284,880
1921	14,666	2,111	5,160	....	21,937	23.52	274,500
1920	24,273	2,274	7,364	....	33,911	21.72	....
1919	21,052	2,135	5,986	....	29,173	20.52	....
1918	17,845	2,229	5,613	....	25,687	21.85	....

¹ Preliminary.

² Estimated by *World Oil*.

³ Not available prior to 1935.

Authority: American Petroleum Institute, Bureau of Mines, *Oil and Gas Journal*

Texas Ranking State in Number of Producing Oil Wells

U. S. PRODUCING OIL WELLS, BY STATES

NUMBER OF PRODUCING WELLS AS OF DECEMBER 31

State	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Arkansas	3,670	3,590	3,350	3,240	3,250	3,150	3,100	2,980	2,900	2,980	2,800	2,670	2,670
California	26,460	24,420	23,180	22,220	21,470	19,700	18,550	16,700	15,060	14,670	13,930	13,460	12,230
Colorado	700	600	420	290	230	210	210	200	200	200	200	200	210
Illinois	26,500	25,670	25,600	24,600	24,600	24,000	24,100	22,300	20,500	17,980	15,500	14,110	14,100
Indiana	2,780	2,300	2,100	2,050	2,050	2,000	1,900	1,750	1,650	1,580	1,500	1,240	1,230
Kansas	27,900	27,500	26,100	25,000	25,000	23,100	23,300	23,200	22,100	21,400	20,800	21,850	19,800
Kentucky	14,750	14,780	14,650	15,000	17,000	15,000	15,000	14,400	14,200	14,100	13,900	13,700	13,600
Louisiana	4,170	3,910	3,600	3,450	3,360	3,150	3,050	2,600	2,550	1,920	1,400	1,110	920
Gulf Coast	5,600	4,790	4,460	4,200	4,100	4,100	3,900	3,900	3,550	3,380	3,500	3,050	2,880
North Louisiana	9,770	8,700	8,060	7,650	7,460	7,250	6,950	6,500	6,100	5,300	4,900	4,160	3,800
Total Louisiana	3,550	3,540	3,520	3,550	3,400	3,380	3,320	3,160	2,930	2,680	2,140	1,780	1,360
Michigan	1,320	1,120	790	650	470	370	350	330	115	(?)	(?)	1,600	1,470
Mississippi	3,100	2,890	2,750	2,600	2,200	2,070	2,050	1,920	1,800	1,720	1,620	1,600	1,470
Montana	50	60	60	70	80	90	90	80	30	(?)	(?)	1,920	1,250
Nebraska	5,370	5,000	4,690	4,450	4,250	3,980	3,860	3,610	3,320	2,920	2,400	1,920	1,250
New Mexico	23,100	22,500	21,700	20,500	21,700	22,450	21,000	21,500	20,500	20,150	20,150	19,900	19,950
New York	20,000	19,500	20,480	20,500	20,800	23,000	23,000	24,000	25,200	26,400	27,000	28,500	30,950
Ohio	53,000	52,200	52,170	52,000	51,900	53,100	53,000	54,200	55,400	54,500	54,400	55,900	54,800
Oklahoma	82,000	83,600	83,200	83,100	83,300	82,800	83,500	81,700	82,100	81,970	81,500	82,800	82,950
Pennsylvania	22,900	23,200	23,500	24,000	24,800	25,100	25,100	25,850	26,300	26,000	25,700	24,100	21,250
Texas	15,600	15,100	14,400	14,100	14,000	13,500	12,600	12,500	12,700	10,700	9,500	6,640	5,500
East Texas	23,600	21,000	19,000	18,000	17,000	16,100	15,300	13,300	12,300	10,800	9,300	7,670	5,220
Gulf Coast	51,000	48,300	49,000	48,300	46,500	46,100	46,800	47,400	44,900	42,600	41,100	38,950	34,950
West Texas	107,600	107,600	105,900	104,400	102,300	100,800	99,800	100,050	95,200	90,100	85,600	77,360	66,920
Rest of state	16,000	16,250	16,500	16,660	16,750	16,900	17,100	17,400	18,100	18,400	17,700	18,400	18,600
Total Texas	4,600	4,320	4,220	4,120	3,900	3,710	3,650	3,450	3,500	3,400	3,300	3,350	3,420
West Virginia	160	140	120	120	110	110	110	140	115	140	140	130	140
Wyoming	437,880	426,280	421,460	415,750	412,220	407,170	404,840	399,960	389,010	380,390	369,640	363,030	349,450
Other states ²	160	140	120	120	110	110	110	140	115	140	140	130	140
U. S. total	113,100	107,600	105,900	104,400	102,300	100,800	99,800	100,050	95,200	90,100	85,600	77,360	66,920

² Includes Alabama, Florida, Missouri, Tennessee, Utah, and Virginia in 1948; Alabama, Florida, Missouri, Tennessee, and Virginia in 1947, 1946, 1945, and 1944; Florida, Missouri, Tennessee, and Virginia in 1943; Missouri and Tennessee in 1942; Missouri, Tennessee, and Utah in 1941, 1940, 1938, 1937, and 1936; Mississippi, Missouri, Nebraska, Tennessee, and Utah in 1939.

Authority: Bureau of Mines

U. S. PRODUCING OIL WELLS, BY STATES

AVERAGE PRODUCTION PER WELL PER DAY

(Barrels of 42 U. S. Gallons)

State	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Arkansas	23.8	23.6	23.6	24.2	25.1	24.2	24.0	24.5	24.0	20.1	18.2	12.1	10.7
California	36.5	38.3	38.0	40.9	41.4	40.7	38.6	39.7	41.2	43.0	50.0	50.9	46.9
Colorado	75.1	84.4	91.5	53.1	33.3	30.3	29.4	30.2	22.8	19.2	19.3	21.4	22.0
Illinois	6.8	7.1	8.2	8.7	8.7	9.4	12.6	16.9	21.0	15.4	4.4	1.5	0.9
Indiana	7.5	7.6	8.9	6.5	6.5	7.4	10.1	11.9	9.0	3.6	2.2	1.9	1.8
Kansas	10.9	10.7	10.3	10.5	11.2	12.5	11.5	10.1	8.3	7.9	7.7	9.3	8.2
Kentucky	1.6	1.7	2.0	1.8	1.6	1.4	0.8	1.9	1.0	1.1	1.2	1.1	1.1
Louisiana:													
Gulf Coast	83.3	90.3	87.7	86.4	88.7	85.0	83.9	96.7	96.8	112.6	145.5	167.5	179.6
North Louisiana	22.9	21.6	19.5	15.6	16.0	18.8	20.6	18.4	19.2	20.2	23.9	26.7	26.4
Total Louisiana	53.7	52.4	50.1	47.5	48.2	47.7	47.2	50.4	49.7	50.3	57.6	62.6	61.1
Michigan	13.0	12.6	13.2	13.6	14.9	17.0	18.4	14.7	19.2	26.7	26.2	29.0	25.9
Mississippi	102.5	100.2	92.5	93.3	106.3	143.1	232.3	186.7	193.9	(^a)	....	....	....
Montana	8.6	8.5	9.0	9.6	11.1	10.5	11.1	11.1	10.4	9.8	8.4	10.4	10.3
Nebraska	10.7	10.5	12.3	11.1	13.4	19.3	42.4	104.0	48.8	(^a)	....	....	....
New Mexico	25.3	23.1	22.1	23.5	26.3	27.2	23.1	31.3	34.3	38.8	45.4	67.2	71.2
New York	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.6
Ohio	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Oklahoma	8.0	7.4	7.1	7.3	6.5	6.4	7.2	7.9	7.9	8.0	8.7	11.3	10.3
Pennsylvania	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Texas:													
East Texas	13.3	13.7	13.9	14.7	14.8	14.2	13.2	13.9	14.7	15.3	16.7	20.6	22.5
Gulf Coast	48.9	48.2	46.5	49.3	51.8	42.0	29.5	30.5	29.8	33.2	36.5	51.8	49.0
West Texas	33.7	30.5	28.5	27.5	26.6	17.3	15.1	19.1	20.0	21.7	23.5	32.2	36.5
Rest of state	13.3	12.4	11.6	11.3	11.2	9.7	8.3	8.6	9.1	9.0	9.4	11.1	9.1
Total Texas	22.4	21.1	19.8	20.0	20.1	16.2	13.2	14.2	14.5	15.1	16.0	19.4	18.5
West Virginia	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.6	0.6
Wyoming	33.7	28.7	25.6	24.7	24.0	25.5	25.3	23.5	20.4	17.5	15.7	15.5	11.7
Other states ²	15.6	16.4	11.8	6.4	1.7	1.3	1.0	1.4	1.4	4.0	1.7	....	....
U. S. total	12.8	12.0	11.3	11.3	11.2	10.2	9.4	9.7	9.6	9.2	9.1	9.8	8.7

² Includes Alabama, Florida, Mississippi, Tennessee, Utah, and Virginia in 1948; Alabama, Florida, Missouri, Tennessee, and Virginia in 1947, 1946, 1945, and 1944; Florida, Missouri, Tennessee, and Virginia in 1943; Missouri and Tennessee in 1942; Missouri, Tennessee, and Utah in 1941, 1940, 1938, 1937, and 1936; Mississippi, Missouri, Nebraska, Tennessee, and Utah in 1939.

Authority: Bureau of Mines

Almost Half Million Wells Produce Oil in U. S. at End of 1949

U. S. PRODUCING OIL WELLS, BY STATES AND BY TYPES DECEMBER 31, 1939-1949²

State	Year of Oil Discovery	1949			1948			1947		
		Flowing	Artificial-Lift	Total	Flowing	Artificial-Lift	Total	Flowing	Artificial-Lift	Total
Alabama	1944	...	39	39	...	33	33	...	33	33
Arkansas	1920	291	3,076	3,367	...	3,040	3,380	...	2,992	3,370
California	1876	2,373	22,127	24,500	2,136	24,413	26,549	2,363	22,792	25,155
Colorado	1887	87	662	749	113	611	724	127	411	538
Florida	1943	5	6	11	5	3	8	4	1	5
Illinois	1889	71	31,169	31,240	58	30,261	30,319	68	28,405	28,473
Indiana	1889	35	3,739	3,774	18	3,252	3,270	2	2,807	2,809
Kansas	1889	62	29,033	29,095	143	24,975	25,118	85	26,846	26,931
Kentucky	1860	...	14,895	14,895	...	14,554	14,554	...	14,509	14,509
Louisiana	1902	3,320	6,689	10,009	3,367	5,508	8,875	3,168	4,516	7,684
Michigan	1900	387	3,268	3,655	296	3,131	3,427	276	3,356	3,632
Mississippi	1933	476	886	1,362	495	737	1,232	416	636	1,052
Missouri	1889	...	45	45	...	48	48	...	36	36
Montana	1916	39	2,865	2,904	24	3,140	3,164	24	2,455	2,479
Nebraska	1939	...	62	62	...	46	46	...	55	55
New Mexico	1913	3,014	2,509	5,523	3,288	2,004	5,292	3,636	1,395	5,031
New York	1864	...	22,800	22,800	...	23,000	23,000	...	23,000	23,000
Ohio	1880	60	21,740	21,800	65	22,945	23,010	50	22,825	22,875
Oklahoma	1891	1,426	52,934	54,360	1,380	51,731	53,111	1,485	50,405	51,890
Pennsylvania	1859	...	83,700	83,700	...	84,000	84,000	...	82,800	82,800
Tennessee	1876	...	35	35	...	29	29	...	22	22
Texas	1896	39,122	75,645	114,767	37,970	71,673	109,643	37,070	67,909	104,979
Utah	1912	22	...	22	2	1	3	...	...	...
Virginia	1943	...	15	15	...	15	15	...	12	12
West Virginia	1880	...	15,900	15,900	...	16,200	16,200	...	17,000	17,000
Wyoming	1894	464	4,452	4,916	336	4,222	4,558	247	3,905	4,152
U. S. total	1859	51,254	398,291	449,545	50,036	369,572	439,608	49,399	379,123	428,522
Per cent of total		11.4	88.6	100.0	11.4	88.6	100.0	11.5	88.5	100.0

State	Year of Oil Discovery	1946			1945			1944		
		Flowing	Artificial-Lift	Total	Flowing	Artificial-Lift	Total	Flowing	Artificial-Lift	Total
Alabama	1944	1	26	27	...	27	27	...	8	8
Arkansas	1920	451	2,836	3,287	507	2,766	3,273	467	2,703	3,170
California	1876	1,894	20,991	22,885	1,889	19,857	21,746	1,723	19,532	21,255
Colorado	1887	87	293	380	70	173	243	29	159	188
Florida	1943	2	1	3	...	2	2	...	1	1
Illinois	1889	89	28,907	28,996	205	27,710	27,915	225	26,837	27,062
Indiana	1889	4	2,153	2,157	...	2,379	2,379	...	1,885	1,885
Kansas	1889	106	27,139	27,245	174	25,518	26,692	170	26,080	26,250
Kentucky	1860	3	14,621	14,624	...	14,741	14,741	...	14,548	14,548
Louisiana	1902	3,276	4,819	8,095	3,343	4,467	7,810	2,692	4,486	7,178
Michigan	1900	340	3,135	3,475	300	3,184	3,534	253	3,196	3,449
Mississippi	1933	218	568	786	205	437	642	32	443	475
Missouri	1889	...	38	38	...	36	36	...	38	38
Montana	1916	26	2,573	2,599	31	2,411	2,442	17	2,213	2,230
Nebraska	1939	...	58	58	...	70	70	...	79	79
New Mexico	1913	3,005	1,594	4,599	2,822	1,542	4,364	2,736	1,253	3,989
New York	1864	...	22,225	22,225	...	21,625	21,625	...	22,375	22,375
Ohio	1860	65	22,907	22,972	46	23,029	23,075	48	22,932	22,980
Oklahoma	1891	1,512	51,288	52,800	1,337	51,362	52,699	890	51,484	52,374
Pennsylvania	1859	...	82,998	82,998	...	83,230	83,230	...	82,911	82,911
Tennessee	1876	...	22	22	...	24	24	...	25	25
Texas	1896	37,081	65,678	102,759	37,914	65,699	103,613	37,712	61,540	99,252
Utah	1912	...	...	...	...	...	...	...	...	...
Virginia	1943	...	15	15	...	...	...	...	...	...
West Virginia	1880	...	17,211	17,211	...	17,268	17,268	...	17,330	17,330
Wyoming	1894	227	3,818	4,045	193	3,788	3,983	197	3,602	3,799
U. S. total	1859	48,387	375,914	424,301	49,088	372,345	421,433	47,191	365,660	412,851
Per cent of total		11.4	88.6	100.0	11.6	88.4	100.0	11.4	88.6	100.0

U. S. PRODUCING OIL WELLS, BY STATES AND BY TYPES

DECEMBER 31, 1939-1949²—Continued

State	Year of Oil Discovery	1943			1942			1941		
		Flow-ing	Arti-ficial-Lift	Total	Flow-ing	Arti-ficial-Lift	Total	Flow-ing	Arti-ficial-Lift	Total
Alabama	1944	..	..	..	..	..	..	..	..	..
Arkansas	1920	350	2,607	2,957	327	2,721	3,048	275	2,552	2,827
California	1876	1,698	18,315	20,013	1,714	17,080	18,794	1,702	15,293	16,995
Colorado	1887	19	143	162	18	148	166	13	212	225
Florida	1943	....	1	1	....	..	..	....	....	....
Illinois	1889	260	25,777	26,037	300	24,883	25,183	372	23,055	23,427
Indiana	1889	..	1,827	1,827	..	1,931	1,931	10	1,875	1,885
Kansas	1889	410	25,415	25,825	336	22,024	22,360	281	21,503	21,784
Kentucky	1860	9	14,197	14,206	..	14,300	14,300	..	14,250	14,250
Louisiana	1902	2,511	4,474	6,985	2,396	4,924	7,320	2,407	4,693	7,100
Michigan	1900	178	3,138	3,316	235	2,835	3,070	150	2,984	3,134
Mississippi	1933	15	358	373	..	348	348	4	325	329
Missouri	1889	..	128	128	..	94	94	..	90	90
Montana	1916	8	2,112	2,120	..	2,244	2,244	8	1,998	2,006
Nebraska	1939	....	92	92	..	88	88	..	70	70
New Mexico	1913	2,662	1,218	3,880	2,821	1,004	3,825	2,773	891	3,664
New York	1864	..	22,190	22,190	..	21,300	21,300	..	20,850	20,850
Ohio	1860	..	23,350	23,350	..	25,600	25,600	..	25,765	25,765
Oklahoma	1891	425	51,738	52,163	400	52,611	53,011	100	54,687	54,787
Pennsylvania	1859	....	82,397	82,397	..	84,800	84,800	....	83,800	83,800
Tennessee	1876	....	28	28	..	30	30	..	31	31
Texas	1896	37,831	60,621	98,452	38,619	60,281	98,900	39,625	59,177	98,802
Utah	1912	..	5	5	..	5	5	..	19	19
West Virginia	1860	..	17,400	17,400	..	17,900	17,900	..	18,065	18,065
Wyoming	1894	186	3,488	3,674	104	2,836	2,940	29	3,648	3,677
U. S. total	1859	46,562	361,019	407,581	47,270	359,987	407,257	47,749	355,833	403,582
Per cent of total.. . .	..	11.4	88.6	100.0	11.6	88.4	100.0	11.8	88.2	100.0

State	Year of Oil Discovery	1940			1939		
		Flow-ing	Arti-ficial-Lift	Total	Flow-ing	Arti-ficial-Lift	Total
Alabama	1944	....	..	..	..	..	..
Arkansas	1920	355	2,556	2,911	291	2,689	2,980
California	1876	1,686	13,675	15,361	1,744	12,926	14,670
Colorado	1887	5	203	208	4	196	200
Florida	1943	....	..	..	..	..	..
Illinois	1889	600	20,346	20,946	704	17,276	17,980
Indiana	1889	..	1,650	1,650	..	1,380	1,380
Kansas	1889	334	21,816	22,150	230	21,170	21,400
Kentucky	1860	..	14,200	14,200	..	14,095	14,100
Louisiana	1902	2,042	4,283	6,325	1,619	3,681	5,300
Michigan	1900	88	2,840	2,928	231	2,449	2,680
Mississippi	1933	30	81	111	7	..	7
Missouri	1889	..	93	93	..	80	80
Montana	1916	..	1,792	1,792	8	1,712	1,720
Nebraska	1939	....	26	26	....	1	1
New Mexico	1913	2,642	752	3,394	2,522	398	2,920
New York	1864	..	20,500	20,500	..	20,150	20,150
Ohio	1860	..	25,200	25,200	..	26,400	26,400
Oklahoma	1891	157	54,741	54,898	95	54,405	54,500
Pennsylvania	1859	..	82,100	82,100	..	81,970	81,970
Tennessee	1876	....	35	35	..	49	49
Texas	1896	40,524	54,690	95,214	36,562	53,538	90,100
Utah	1912	..	21	21	..	3	3
West Virginia	1860	..	18,100	18,100	..	18,400	18,400
Wyoming	1894	19	3,435	3,454	146	3,254	3,400
U. S. total	1859	48,482	343,135	391,617	44,168	336,222	380,390
Per cent of total.. . .	..	12.4	87.6	100.0	11.6	88.4	100.0

² Data for 1939 through 1945 include wells producing crude oil or condensate. Beginning with 1946, data represent active crude-oil producing wells only; they do not include inactive or shut-in wells, nor gas or gas-condensate wells.

Authority: World Oil.

DRILLING RIGS² IN USE IN THE UNITED STATES, BY YEARS AND BY MONTHS, 1938-1949

Year	Jan- uary	Feb- ruary	March	April	May	June	July	August	Sep- tember	Oc- tober	Novem- ber	De- cember
1949...	4,511	4,490	4,368	4,265	4,276	4,097	4,015	4,118	4,258	4,247	4,485	4,355
1948...	4,699	4,542	4,626	4,989	5,067	5,090	5,013	5,058	5,116	5,229	5,060	4,908
1947...	4,390	4,402	4,379	4,470	4,603	4,802	4,992	5,163	4,979	4,897	4,871	4,945
1946...	4,337	4,229	4,212	4,405	4,399	4,124	4,235	4,201	4,474	4,410	4,551	4,654
1945...	4,270	4,154	4,159	4,374	4,637	4,394	4,424	4,289	4,356	4,521	4,426	4,637
1944...	3,427	3,568	3,702	3,819	3,934	4,278	4,411	4,528	4,566	4,738	4,665	4,640
1943...	2,691	2,653	2,732	2,756	2,743	2,852	3,015	3,201	3,031	3,548	3,676	3,595
1942...	3,816	3,067	2,979	2,859	2,868	2,905	3,179	3,007	2,953	3,094	2,962	2,797
1941...	3,814	3,952	4,121	4,287	4,335	4,598	4,819	4,984	4,693	4,672	4,746	4,336
1940...	3,990	4,277	4,472	4,327	4,655	4,502	4,235	4,194	3,821	3,921	4,030	3,894
1939...	3,583	3,391	3,448	3,630	3,695	3,726	3,567	3,718	3,625	3,905	3,981	3,924
1938...	3,968	3,928	3,973	3,971	3,582	3,830	3,737	3,869	3,742	3,876	3,676	3,434

² Figures are for end of month, and include rigs drilling, rigging up, and those which are temporarily shut down.

Authority World Oil

Drillers Hunt for Oil in 31 States During 1949

DRILLING RIGS* IN USE IN THE UNITED STATES DURING 1949 (STATE OR DISTRICT), BY MONTHS

State or District	January	February	March	April	May	June	July	August	September	October	November	December
Alabama	6	5	5	3	4	7	2	3	3	3	4	2
Arizona	8	6	6	6	6	7	6	5	4	4	4	3
Arkansas	30	30	25	32	35	27	27	31	30	27	26	25
California	295	263	267	256	287	232	232	265	247	254	227	206
Colorado	23	28	26	21	18	20	20	17	19	22	17	14
Florida	4	5	1	3	2	3	4	4	4	4	4	4
Georgia	1	1	1	1	1	1	1	1	1	1	1	1
Illinois	227	168	190	257	275	238	221	237	224	225	255	234
Indiana	122	132	129	134	137	151	156	139	157	135	143	138
Kansas	269	277	263	312	314	310	300	280	291	310	303	302
Kentucky	72	83	75	83	84	85	88	93	94	98	93	86
Louisiana	61	55	60	52	71	58	69	60	78	86	82	75
North Louisiana	136	147	142	143	165	153	139	136	142	143	159	161
South Louisiana	197	202	202	195	236	211	208	196	220	229	241	236
Total Louisiana	104	95	106	103	130	120	123	136	123	142	140	135
Michigan	104	95	106	103	130	120	123	136	123	142	140	135
Mississippi	35	36	31	31	26	23	28	33	29	32	38	34
Missouri	9	9	6	6	5	8	6	5	6	7	10	7
Montana	52	53	46	38	51	64	54	52	47	36	43	35
Nebraska	1	1	1	1	1	3	3	3	3	3	6	7
New Mexico	87	105	95	93	93	93	86	91	91	96	103	95
New York	148	157	146	121	109	97	72	103	86	80	95	105
North Dakota	1	1	1	1	1	1	3	3	2	2	1	1
Ohio	174	161	152	141	134	141	155	164	162	154	169	152
Oklahoma	474	489	484	482	486	461	457	499	509	523	545	540
Pennsylvania	344	338	327	291	241	239	208	264	248	229	248	245
South Dakota	2	2	2	1	2	2	2	3	2	2	2	2
Tennessee	10	10	7	9	6	6	6	6	6	7	7	7
Texas:												
District 1—South Central	42	44	41	44	43	37	34	34	37	35	39	33
District 2—Middle Gulf	50	59	65	46	45	35	49	50	48	51	51	43
District 3—Upper Gulf	143	144	146	144	137	123	114	110	120	115	136	125
District 4—Lower Gulf-Southwest	127	130	115	101	106	95	96	98	94	95	100	111
District 5—East Central	33	26	29	17	16	16	21	15	21	29	24	21
District 6—Northeast	35	33	35	34	42	34	49	41	36	48	43	42
District 7B—North Central	199	194	198	164	159	177	170	160	196	188	175	167
District 7C—West	74	66	53	51	57	50	61	82	87	83	86	90
District 8—West	404	401	408	397	393	377	365	324	378	372	459	479
District 9—North	125	134	135	129	135	153	150	140	176	169	173	181
District 10—Panhandle	134	137	137	118	127	112	100	96	121	110	98	106
Total Texas	1,366	1,368	1,362	1,245	1,260	1,209	1,209	1,150	1,314	1,295	1,384	1,398

DRILLING RIGS² IN USE IN THE UNITED STATES DURING 1949 (STATE OR DISTRICT), BY MONTHS—Continued

State or District	January	February	March	April	May	June	July	August	September	October	November	December
	13	14	14	16	18	15	15	14	10	13	12	8
Utah.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Virginia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington.....	336	317	302	284	240	224	228	231	246	222	256	242
West Virginia.....	113	116	96	99	94	99	95	90	80	90	106	91
Wyoming.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
U. S. total.....	4,511	4,490	4,368	4,265	4,276	4,097	4,015	4,118	4,258	4,247	4,485	4,355

² Figures are for end of month, and include rigs drilling, rigging up, and those which are temporarily shut down

Authority World Oil

Drill Finds Oil Almost 3 Miles Below Surface of Earth

U. S. WELL-DEPTH RECORDS, BY STATES AND DISTRICTS

State and District	Drilling-Depth Records			Producing-Depth Records		
	Feet	Year	Formation	Feet	Year	Formation
Wyoming	20,521	1949	Upper Cretaceous	14,307	1948	Second Frontier
California	18,734	1949	Upper Miocene	15,530	1949	Eocene
Oklahoma	17,823	1947	Pennsylvanian	15,510	1948	Viola
Upper Texas Coast.	16,655	1945	Lower Cretaceous	12,026	1948	Lower Frio
East Texas	16,347	1949	Smackover	10,312	1942	Pettit
South Louisiana	16,106	1948	Miocene	14,467	1949	...
Lower Texas Coast.	16,006	1947	Frio	11,192	1945	Wilcox
Mississippi	15,730	1947	(²)	13,082	1947	Glen Rose
Alabama	15,668	1949	(²)	3,624	1945	Eutaw
Florida	15,455	1947	Lower Cretaceous	11,588	1948	Lower Cretaceous
South Central Texas	15,301	1945	Lower Cretaceous	9,018	1946	Edwards
West Texas	15,279	1944	Ellenburger	13,130	1949	Ellenburger
New Mexico (Southeast)	14,716	1949	Salt	12,600	1949	Devonian
Texas Panhandle	14,278	1949	(²)	8,970	1949	Mississippian
Southwest Texas	14,033	1948	Frio	9,984	1949	...
Utah	13,766	1949	Pennsylvanian	9,392	1949	Basal Tertiary
North Texas	13,352	1947	Simpson	8,940	1946	Ellenburger
North Louisiana	12,952	1942	Smackover	10,789	1948	Smackover
Colorado	12,702	1946	Pennsylvanian	7,198	1941	Morrison
East Texas (Border)	12,221	1946	Smackover	7,586	1946	Travis Peak
Montana	11,519	1949	Cambrian	7,560	1949	Dakota
Arkansas	11,440	1948	Smackover	9,320	1944	Smackover
Michigan	11,012	1948	Cambrian-Ordovician	5,064	1946	Richfield
Washington	11,002	1947	(²)	...	...	...
Pennsylvania	10,312	1949	Upper Cambrian	8,020	1946	Oriskany
North Dakota	10,281	1938	Devonian	...	...	...
North Carolina	10,054	1946	Granite	...	...	...
West Virginia	10,018	1941	Queenston	8,410	1946	Oriskany
New Mexico (Northwest)	9,466	1945	Quartzite	8,875	1945	Paradox
Oregon	9,263	1946	(²)	...	...	...
Virginia	9,229	1949	(²)	...	...	...
New York	8,626	1944	Ordovician	5,229	1942	Oriskany
Kansas	8,243	1947	Arbuckle	6,200	1947	Cherokee
Maryland	8,165	1941	Helderberg	4,456	1949	Huntersville
South Dakota	8,000	1943	Ordovician	...	...	...
North Central Texas	7,980	1945	Ellenburger	6,065	1940	Mississippian
Ohio	7,889	1933	Clinton	5,839	1946	Clinton
Georgia	7,490	1944	Cretaceous	...	...	...
Illinois	7,207	1940	St. Peter	4,780	1943	Trenton
Arizona	6,863	1949	(²)	...	...	...
Nebraska	6,846	1938	Pennsylvanian	4,554	1949	Third Dakota
Western Kentucky	6,686	1949	Knox	3,047	1948	McCloskey
Indiana	6,408	1946	Trenton	3,011	1946	McCloskey
Tennessee	5,750	1947	Granite	1,790	1948	Knox
Eastern Kentucky	5,743	(²)	Red Medina	5,170	1932	Devonian
Iowa	5,305	1930	Cambrian	...	...	...
Missouri	4,740	1941	Cambrian	1,444	1940	Bartlesville

² Not available.

Authority. World Oil.

New Depth Records Result of Improved Drilling

DEEPEST U. S. TESTS AND PRODUCING WELLS, BY YEARS

	Deepest Drilled Depth ¹ (Feet)	Deepest Producing Depth (Feet)
1949	20,521	15,530
1948	17,823	14,307
1947	17,823	13,904
1946	16,668	13,778
1945	16,655	13,520
1944	16,246	13,503
1943	15,004	13,266
1942	15,004	13,266
1941	15,004	13,266
1940	15,004	13,266
1939	15,004	13,266
1938	15,004	13,266
1937	12,786	11,302
1936	12,786	9,950
1935	12,786	9,836
1934	11,377	9,710
1933	10,585	9,710
1932	10,585	9,710
1931	10,585	8,823
1930	9,753	8,550
1929	9,280	8,523
1928	8,523	8,523
1927	8,046	7,591
1926	8,046	7,591
1925 . . . . .	...	7,591
1924	7,319	...
1909	5,660	...
1900	2,800	...
1895	1,200	...
1859 . . . . .	...	69 1/2

¹ Not necessarily non-producing wells.

Authority World Oil.

AVERAGE FOOTAGE OF NEW WELLS DRILLED,² BY STATES, 1936-1949

	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Alabama	4,807	5,048	4,431	4,081	3,976	4,964	5,564	1,566	3,474	3,477	3,133	5,214	6,816	3,735
Arizona	3,151	6,300	3,130	3,130	4,367	2,698	2,900	3,221	...	5,169	2,876	5,214	...	...
Arkansas	4,000	4,981	4,117	3,954	4,367	5,694	4,788	5,456	4,458	5,169	6,122	6,230	4,548	3,190
California	4,397	5,435	4,139	4,259	4,367	3,655	3,181	4,253	5,755	5,196	5,196	4,812	4,061	4,127
Colorado	4,397	5,435	5,549	6,338	6,104	5,024	4,433	4,787	4,640	4,107	4,107	3,173	3,701	3,557
Florida	3,109	6,663	5,274	6,807	6,560	5,707	4,567	2,760	1,280	6,010	...	...	510	1,795
Georgia	4,594	3,754	3,754	4,221	3,250	5,504	3,415	3,260	1,501	...	...	...	...	...
Illinois	2,323	2,617	2,584	2,535	2,593	2,597	2,479	2,558	2,465	2,425	1,943	1,873	2,016	1,837
Indiana	1,868	1,904	1,776	1,793	1,593	1,843	1,948	1,727	1,834	1,871	1,677	1,142	969	870
Iowa	...	...	...	...	1,250	1,735	1,625	...	2,334	1,300	...	...	...	...
Kansas	3,298	3,370	3,250	3,244	3,277	3,376	3,879	3,193	3,140	3,144	3,037	3,227	3,134	3,161
Kentucky	1,583	2,004	1,940	1,758	1,780	1,839	1,364	1,582	1,087	1,023	1,375	1,004	725	725
Louisiana	1,955	4,932	5,262	6,161	7,204	7,475	6,675	6,642	5,649	5,221	5,651	5,298	4,873	4,873
Maine	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Massachusetts	2,255	2,762	2,995	4,014	4,574	4,437	4,165	4,127	2,972	2,547	3,907	4,111	4,164	4,164
Michigan	8,653	8,976	8,862	9,005	9,128	9,248	8,976	8,862	7,844	6,899	6,379	6,240	5,997	5,774
Minnesota	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mississippi	2,293	2,287	2,320	2,260	2,500	2,455	2,591	2,530	2,463	1,987	1,820	2,459	2,999	2,558
Missouri	7,254	7,783	8,420	7,426	6,632	5,842	4,880	5,355	4,935	5,107	5,156	3,919	3,639	2,998
Montana	2,584	2,403	2,532	2,486	1,111	746	838	673	709	922	513	513	...	...
Nebraska	2,584	2,403	2,306	2,420	2,486	2,572	2,198	2,207	2,137	2,062	2,199	2,205	2,095	2,416
Nevada	4,232	2,019	2,662	2,560	3,360	3,176	2,526	2,445	2,359	2,221	3,376	3,829	...	4,040
New Jersey	...	...	...	...	...	...	...	...	...	...	...	...	...	...
New Mexico	4,502	4,225	4,316	3,899	3,653	5,016	3,091	2,896	2,849	3,212	3,529	3,789	3,769	3,777
New York	1,442	1,424	1,434	1,446	1,482	1,397	1,406	1,355	1,345	1,308	1,416	1,363	1,502	1,462
North Carolina	...	...	6,370	5,235	4,044	...	...	...	...	...	...	10,281	...	...
North Dakota	5,293	2,485	2,830	2,568	2,538	2,650	2,566	2,411	1,967	1,734	1,941	1,786	1,868	1,937
Ohio	3,618	3,689	8,500	8,574	4,066	3,848	3,357	3,362	2,947	2,788	2,855	2,961	2,984	3,139
Oklahoma	...	...	1,827	1,781	1,821	1,916	1,825	1,741	1,779	1,707	1,765	1,512	1,660	1,312
Oregon	1,952	1,822	1,827	2,679	4,950	872	1,022	1,597	1,319	7,198	1,035	1,995	...	...
Pennsylvania	2,134	1,365	1,579	809	2,158	872	1,022	1,597	1,319	1,149	1,395	1,995	3,408	3,074
South Dakota	1,035	1,198	4,391	4,370	4,499	4,551	4,321	4,259	3,670	3,745	3,695	3,637	3,408	3,074
Tennessee	4,189	4,325	3,572	3,050	3,163	3,156	3,101	3,051	3,054	3,054	3,064	3,052	3,072	2,988
Texas	3,221	3,243	2,823	2,620	2,517	3,007	2,810	2,816	2,205	2,603	2,290	2,409	1,715	1,377
Panhandle	...	...	5,131	5,343	6,182	6,068	5,567	4,951	4,140	3,988	3,815	3,934	3,756	3,756
North Texas	...	...	6,452	7,219	7,319	7,228	7,631	6,781	6,271	6,074	6,310	6,149	5,742	5,241
East and East Central	...	...	5,264	5,365	5,572	5,420	5,175	4,971	4,304	4,013	3,892	3,724	3,578	3,204
Upper Gulf	...	...	2,873	2,873	2,756	2,464	2,387	2,246	1,839	1,829	1,591	1,868	1,670	1,574
South Central and Southwest	...	...	3,519	3,673	3,756	3,572	2,387	2,246	1,839	1,829	1,591	1,868	1,670	1,574
West Central	...	...	4,944	4,958	4,933	4,554	4,477	4,320	4,189	4,071	3,566	2,550	2,692	2,692
West Texas	...	...	5,039	2,866	4,933	4,554	4,477	4,320	4,189	4,071	3,566	2,550	2,692	2,692
Utah	4,995	4,009	5,039	2,866	4,933	4,554	4,477	4,320	4,189	4,071	3,566	2,550	2,692	2,692
Virginia	...	...	...	2,885	...	...	...	...	3,652	...	...	...	...	...
Washington	7,401	2,201	7,660	6,230	3,200	...	...	...	...	...	...	...	...	...
West Virginia	5,003	5,003	7,660	6,230	3,200	...	...	...	...	...	...	...	...	...
Wyoming	2,685	2,798	2,798	2,690	2,880	2,763	2,763	3,075	2,671	2,531	2,661	2,721	2,614	2,248
Wyoming	4,264	4,564	4,564	4,164	4,535	4,476	4,452	3,791	3,104	3,364	3,278	2,766	3,278	2,644
U. S. total	...	3,579	3,547	3,481	3,709	3,559	3,261	3,298	3,164	3,170	3,068	3,175	3,082	2,889

Authority: World Oil.

²Includes oil wells, gas and distillate wells, and dry holes only. Excludes water-input wells, gas-input wells, salt-water-disposal wells, and wells drilled deeper.

55 Per Cent of All "Dry" Gas Wells in Pennsylvania and West Virginia

U. S. NATURAL-GAS WELLS, BY STATES ¹

(As of December 31)

State	1947 ⁵	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
Arkansas	160	180	180	180	190	200	200	190	190	190	190
California	350	310	250	200	170	130	110	90	80	70	60
Colorado	20	20	20	20	20	20	20	20	20	20	20
Illinois	100	90	80	80	80	80	90	90	80	80	70
Indiana	830	840	820	810	950	940	950	970	960	1,010	970
Kansas	2,700	2,400	2,220	2,040	1,990	1,950	2,090	2,100	2,140	2,290	2,500
Kentucky ⁴	3,350	3,390	3,250	3,090	2,850	2,650	2,570	2,400	2,340	2,340	2,510
Louisiana	2,100	2,000	1,900	1,820	1,790	1,730	1,640	1,530	1,520	1,560	1,600
Michigan	760	750	640	630	560	520	450	350	310	260	350
Mississippi	60	30	20	20	20	20	20	30	30	60	90
Missouri	100	110	110	110	110	120	130	120	110	120	150
Montana	700	650	620	580	500	460	450	410	370	350	380
New Mexico	220	170	150	130	120	120	110	100	90	70	70
New York	1,700	1,830	1,850	1,990	2,000	2,000	2,030	2,030	2,040	2,000	2,090
Ohio	7,190	7,200	7,000	6,950	6,900	6,750	6,700	6,300	6,270	6,200	6,340
Oklahoma	3,250	3,000	2,680	2,450	2,330	2,250	2,400	2,430	2,420	2,480	2,630
Pennsylvania	19,100	19,500	19,300	19,000	18,600	18,500	18,300	18,130	18,100	18,540	19,130
Texas	5,000	4,800	4,400	3,800	3,560	3,460	3,400	3,150	3,120	3,160	2,940
West Virginia	15,800	15,300	15,000	14,720	14,310	14,100	13,700	13,300	13,200	12,840	12,800
Wyoming	150	140	140	130	120	120	110	110	110	100	130
Other states ⁴	30	30	30	30 ⁴	30 ⁴	30 ⁴	30 ⁵	30 ⁵	30 ⁵	30	30
U. S. total	63,670	62,740	60,860	58,780	57,200	56,150	55,500	53,880	53,530	53,770	55,050

²Number of wells producing "dry" (not casinghead) gas.

³Tennessee included with Kentucky.

⁴North Dakota, South Dakota, Utah, and Virginia, 1942 through 1947; North Dakota, South Dakota, Utah, Virginia, and Washington, 1939 through 1941; South Dakota, Utah, and Washington, 1937 and 1938.

⁵Latest data available.

Authority Bureau of Mines

Marginal Producers Important Source of Petroleum

NATIONAL STRIPPER-WELL SURVEY, BY STATES

State	Number of Stripper Wells Producing at End of Year					Number of Abandonments ²								
	1949 ³	1948 ³	1947	1946	1945	1944	1942	1949 ³	1948 ³	1947	1946	1945	1944	1942
Arkansas	2,396	2,350	2,507	2,530	2,539	2,436	2,534	16	121	91	26	56	52	142
California	15,249	15,412	13,296	13,004	10,000	10,500	12,000	56	23	158	278	307	200	326
Colorado	132	132	100	56	95	101	102	2	2	3	11	11	11	11
Illinois	23,990	4,096	14,886	14,643	15,350	15,050	14,185	796	379	856	717	634	668	311
Indiana	2,541	2,408	1,675	1,460	1,480	1,449	1,374	19	49	47	90	125	45	76
Kansas	18,015	17,070	16,364	13,874	17,012	16,760	15,181	517	685	749	762	525	512	557
Kentucky	14,700	(⁴)	14,300	14,042	13,714	14,300	14,000	250	(⁴)	145	155	200	175	200
Louisiana	4,070	3,548	3,312	2,532	2,811	2,677	2,735	266	247	75	38	250	266	357
Michigan	(⁴)	3,574	3,125	3,201	2,941	2,783	2,878	350	350	267	221	164	199	143
Mississippi	71	81	92	70	52	31	.....	10	23	25	19	26	27	...
Missouri	99	89	76	25	43	123	126	(⁴)	...	42	26	...	...	...
Montana	2,914	2,852	2,751	2,671	1,985	1,860	1,479	28	42	18	28	55	21	26
Nebraska	54	51	53	72	70	72	9	14	7	208	...	3	18	6
New Mexico	2,117	1,730	1,492	1,100	1,100	1,102	606	14	272	208	40	2	428	125
New York	23,250	23,081	22,541	21,725	21,300	20,900	21,400	290	375	425	605	424	428	125
Ohio	20,034	21,439	21,970	22,972	22,247	22,483	23,711	1,456	1,713	1,696	1,777	471	594	894
Oklahoma	43,602	43,425	43,626	44,364	49,124	49,398	48,775	1,041	1,406	1,596	1,777	735	1,200	1,274
Pennsylvania	79,615	80,257	81,188	80,582	83,000	83,000	82,000	4,923	4,178	...	...	2,500	2,450	2,500
Tennessee	27	32	21	19	15	15	25	5	...	2	2	1	14	12
Texas	39,759	38,053	32,528	33,678	35,000	32,170	30,763	1,623	2,206	1,933	1,066	2,515	2,376	3,121
Utah	15,000	16,000	16,251	16,482	17,280	17,300	17,543	1,090	...	763	736	104	145	435
West Virginia	3,009	2,956	2,512	2,485	1,984	1,878	1,850	40	52	19	29	6	9	30
Wyoming .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
U. S. total	310,644	278,636	294,672	291,979	299,146	296,388	293,281	12,440	12,986	7,522	6,626	9,103	9,400	10,541

² In the 8th edition of *Petroleum Facts and Figures* this table was classified as "number of producing oil wells abandoned during year."

³ Data incomplete for Illinois, Kentucky, and Michigan. Subject to revision.

⁴ Not available.

Authority: Interstate Oil Compact Commission

NATIONAL STRIPPER-WELL SURVEY, BY STATES—Continued

Production from Stripper-Well Fields

(Thousands of Barrels)

State	Production from Stripper-Well Fields (Thousands of Barrels)						Productive Acres in Stripper-Well Fields						
	1949 ²	1948 ²	1947	1946	1945	1944	1949 ²	1948 ²	1947	1946	1945	1944	1942
Arkansas	5,817	5,926	6,034	6,230	5,847	6,089	55,724	55,724	55,724	54,286	31,737	26,498	44,852
California	55,441	64,404	55,732	55,615	29,200	29,400	108,018	108,018	82,732	80,598	80,000	87,000	100,000
Colorado	527	212	151	122	141	155	10,400	10,400	6,250	6,500	3,140	3,070	3,110
Illinois	63,942	57,422	64,134	64,488	6,590	7,367	368,705	222,850	162,450	139,740	103,000	106,000	89,000
Indiana	3,561	3,805	6,869	5,928	444	2,039	31,152	32,075	147,040	144,750	8,140	8,065	24,440
Kansas	24,730	22,319	16,506	14,170	29,293	28,800	311,784	288,340	203,400	201,900	137,000	135,000	121,448
Kentucky	3,285	(3)	3,483	3,392	4,250	4,504	71,000	(3)	69,500	68,000	50,000	52,000	50,000
Louisiana	8,794	7,351	5,877	5,735	7,863	6,108	32,264	32,264	32,304	32,304	19,677	208,750	208,750
Michigan	17,099	9,191	11,372	6,445	6,230	6,729	(3)	95,955	80,365	75,895	36,055	31,205	29,175
Mississippi	259	473	300	220	235	168	2,840	2,300	2,300	2,100	2,080	1,120	
Missouri	32	31	41	42	38	45	1,000	900	700	600	480	710	1,000
Montana	4,609	5,251	5,850	6,429	2,660	2,731	63,875	62,685	60,872	61,042	25,525	23,918	15,575
Nebraska	121	214	224	298	305	440	2,440	2,440	2,440	2,440	1,360	1,380	370
New Mexico	4,003	3,165	3,084	3,033	3,400	2,464	79,556	68,880	62,240	59,580	42,020	42,040	24,240
New York	4,401	4,621	4,508	4,683	4,528	4,772	71,000	71,000	71,000	71,000	71,000	71,000	64,000
Ohio	3,845	3,906	3,618	3,508	2,054	2,104	154,000	171,512	88,000	92,000	819,832	823,372	826,275
Oklahoma	44,182	50,380	33,500	35,082	71,168	58,200	260,000	260,000	258,000	262,000	730,000	690,000	676,073
Pennsylvania	11,569	12,910	12,976	13,261	12,515	14,118	625,193	625,193	622,737	622,737	500,000	505,000	544,640
Tennessee	18	19	9	7	7	10	185	185	145	125	129	105	175
Texas	91,614	87,983	38,727	40,234	38,225	35,226	420,048	415,813	339,735	344,315	262,500	289,530	260,000
Utah	2,830	2,695	2,670	2,929	2,879	3,115	240,000	250,000	260,015	263,715	138,240	138,400	70
West Virginia	9,631	11,509	6,145	6,194	3,603	2,856	57,347	56,162	43,500	39,800	42,495	27,475	20,000
Wyoming													
U. S. total....	343,211	361,695	279,659	282,972	231,690	217,041	2,966,531	2,832,696	2,651,409	2,625,427	3,104,410	3,271,638	3,243,537

² Data incomplete for Illinois, Kentucky, and Michigan. Subject to revision.

³ Not available.

Authority Inter-state Oil Compact Commission

Stripper-Well Production Maximizes U. S. Oil Output

NATIONAL STRIPPER-WELL SURVEY, JANUARY 1, 1950

State	Number of Stripper Wells	Production from Stripper Wells 1949 (Barrels)	Productive Acres in Stripper-Well Fields	Number of Abandoned Fields	Cumulative Production from Stripper-Well Fields to January 1, 1950	Estimated Primary Reserves from Stripper-Well Fields As of January 1, 1950 (Thousands of Barrels)	Estimated Probable Secondary Reserves from Stripper-Well Fields As of January 1, 1950	Estimated Total Reserves in Stripper-Well Fields As of January 1, 1950
Arkansas	2,396	5,817,310	55,724	16	554,144	76,706	64,825	141,531
California	15,249	55,441,000	108,018	56	3,555,684	699,338	871,660	1,570,998
Colorado	132	527,422	10,400	0	27,719	1,151	...	1,151
Illinois ²	23,990	63,942,200	368,705	796	938,192	391,216	400,000	791,216
Indiana	2,541	3,560,776	31,152	19	174,870	19,836	53,000	72,836
Kansas	18,015	24,728,879	311,784	517	1,123,880	279,367	238,404	517,771
Kentucky ²	14,700	3,285,000	71,000	250	40,000	50,000	25,000	75,000
Louisiana	4,070	8,793,975	32,264	266	412,049	70,300	48,000	118,300
Michigan ²	...	...	...	...	...	...	...	...
Mississippi	71	259,150	2,840	10	143,524	40,000	0	40,000
Missouri	99	32,028	1,000	...	...	...	...	...
Montana	2,914	4,609,275	63,875	28	133,743	37,980	7,295	45,275
Nebraska	54	120,746	2,440	0	5,675	805	...	805
New Mexico	2,117	4,003,471	79,556	14	110,135 ³	383,513	63,985	447,498
New York	23,250	4,401,000	71,000	290	172,891	13,859	63,250	77,109
Ohio	20,034	3,845,000	154,000	1,456	618,000	27,542	10,000	37,542
Oklahoma	43,602	44,182,000	260,000	1,041	3,863,776	387,500	935,335	1,322,835
Pennsylvania	79,615	11,569,159	625,193	4,923	1,134,439	40,297	412,018	452,315
Tennessee	27	18,000	185	5	730	...	...	...
Texas	39,759	91,613,800	420,048	1,623	3,894,559	722,463	685,947	1,408,410
West Virginia	15,000	2,830,000	240,000	1,090	438,157	52,000	66,000	118,000
Wyoming	3,009	9,631,187	57,347	40	521,395	165,266	39,250	204,516
U. S. total ²	310,644	343,212,378	2,965,531	12,440	17,863,562	3,459,139	3,983,969	7,443,108

² Incomplete, subject to revision.

³ Production from stripper wells only.

Authority. Interstate Oil Compact Commission

26 States Contribute to America's Oil Needs

CRUDE-OIL PRODUCTION, BY STATES, 1859-1949

(Thousands of Barrels of 42 U. S. Gallons)

Year	Arkansas	California	Colorado	Illinois	Indiana	Kansas	Kentucky	Louisiana	Michigan	Mississippi	Montana	Nebraska	New Mexico
1949 ¹	29,936	332,839	23,790	64,583	9,556	101,868	8,656	190,715	16,495	37,966	9,149	330	47,932
1948	31,682	340,074	17,862	64,808	6,874	110,908	8,801	181,458	18,871	45,761	9,382	215	47,969
1947	29,948	333,132	15,702	66,459	6,095	105,132	9,397	160,128	16,215	34,925	8,742	229	40,826
1946	28,375	314,713	11,856	75,297	6,726	97,218	10,578	143,669	17,074	24,298	8,825	293	36,814
1945	28,613	326,482	5,036	75,094	4,868	96,415	10,325	131,051	17,267	19,062	8,420	305	37,351
1944	29,418	311,793	3,083	77,413	5,118	98,762	9,621	129,645	18,490	16,337	8,647	417	39,555
1943	28,418	284,188	2,320	82,260	5,283	106,178	7,883	123,592	20,768	18,807	7,916	635	38,996
1942	26,828	248,326	2,199	106,391	6,743	97,636	4,534	115,785	21,754	28,833	7,916	1,237	31,544
1941	26,327	230,283	2,150	132,393	7,411	83,242	4,762	115,908	16,359	15,327	7,528	1,898	39,569
1940	26,775	223,881	1,626	147,647	4,978	61,139	5,168	103,584	19,753	4,400	6,728	276	39,129
1939	21,238	224,354	1,404	94,912	1,711	60,703	5,621	93,648	23,462	107	5,960	2	37,637
1938	18,180	249,730	1,412	24,075	895	60,064	5,821	95,205	18,745	..	4,945	..	35,759
1937	17,764	238,571	1,605	7,199	844	70,761	5,484	90,924	16,628	..	5,805	..	38,854
1936	17,469	214,773	1,650	4,475	822	58,317	5,633	80,491	11,928	..	5,868	..	27,223
1935	10,469	207,832	1,560	4,322	777	54,843	5,258	50,330	15,776	(¹)	4,603	..	20,483
1934	11,882	174,305	1,139	4,479	838	46,482	4,860	32,869	10,603	(¹)	3,603	..	16,864
1933	11,686	172,010	919	4,244	737	41,976	4,608	25,168	7,942	(¹)	2,273	..	14,116
1932	12,051	178,138	1,136	4,673	806	34,848	6,287	21,807	6,910	(¹)	2,457	..	12,455
1931	14,791	188,830	1,545	5,039	840	37,018	6,456	21,804	3,789	(¹)	2,830	..	15,227
1930	19,702	227,329	1,656	5,736	994	41,638	7,389	23,272	3,911	..	3,349	..	10,189
1929	24,917	292,534	2,358	6,319	981	42,813	7,775	20,554	4,528	..	3,980	..	1,830
1928	32,096	231,811	2,774	6,462	1,052	38,596	7,359	21,847	594	..	4,015	..	943
1927	40,005	231,196	2,831	7,983	852	41,089	6,719	22,818	439	..	5,058	..	1,226
1926	58,332	224,673	2,768	7,760	808	41,498	6,274	23,201	94	..	7,727	..	1,666
1925	77,398	232,492	1,226	7,863	829	38,357	6,759	20,272	4	..	4,091	..	1,060
1924	46,028	228,933	445	8,081	935	28,836	7,407	21,124	..	..	2,815	..	98
1923	36,810	262,876	86	8,707	1,043	28,250	8,069	24,919	..	..	2,782	..	(¹)
1922	12,712	138,468	97	9,383	1,087	31,766	8,973	35,376	..	..	2,449	..	(¹)
1921	112,600	108	10,043	10,433	1,158	36,456	9,013	27,103	..	..	1,509	..	(¹)
1920	103,377	111	10,774	945	945	39,005	8,738	35,714	..	..	340	..	(¹)
1919	101,183	121	11,960	11,960	972	33,046	9,278	17,188	(¹)	(¹)	90	..	(¹)
1918	97,532	143	13,366	878	45,451	4,368	16,043	16,043	(¹)	..	69	..	(¹)
1917	93,885	121	15,777	760	36,536	3,068	11,392	11,392	(¹)	..	100	..	(¹)
1916	90,952	197	17,714	769	8,738	1,202	15,248	15,248	(¹)	(¹)	45	..	(¹)
1915	86,592	208	19,042	876	2,823	437	18,192	18,192	(¹)	..	..	..	(¹)
1914	99,775	223	21,920	1,336	3,104	503	14,309	14,309	(¹)	(¹)	..	..	(¹)
1913	97,115	162	23,894	856	2,275	523	12,399	12,399	(¹)	..	..	..	(¹)
1912	87,269	227	28,602	970	1,593	481	6,263	6,263	(¹)	..	..	..	(¹)
1911	87,269	227	31,317	1,695	472	10,721	6,841	10,721	(¹)	8 ⁵	..	..	(¹)
1910	73,011	240	33,143	2,160	1,279	469	6,841	6,841	(¹)	4 ⁵	..	..	(¹)
1909	55,472	311	30,898	2,296	1,264	639	3,060	3,060	(¹)	..	..	..	(¹)
1908	44,835	380	33,686	3,283	1,801	728	5,789	5,789	(¹)	..	..	..	(¹)
1907	39,748	332	24,282	5,128	821 ^a	5,000	5,000	5,000	(¹)	..	..	..	(¹)
1906	33,099	328	4,397	7,874	3,627 ^a	1,214 ^a	9,077	9,077	(¹)	..	..	..	(¹)
1905	33,428	376	181	10,964	1,217 ^a	3,750 ^a	8,910	8,910	(¹)	..	..	..	(¹)

^a Data from 1905 to 1907.

CRUDE-OIL PRODUCTION, BY STATES, 1859-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	New York	Ohio	Oklahoma	Penn- sylvania	Tennessee	Texas	Utah ¹³	West Virginia	Wyom- ing	Other States ¹⁴	Total United States	Total Value (Thousands of Dollars)	Average Value (Dollars Per Barrel) ¹⁵
1949 ¹	4,621	3,433	151,902	11,374	22	903,498	757	2,839	46,935	948	1,840,307	4,674,380	2.54
1948	4,248	3,600	154,455	12,667	19	793,498	16	2,692	55,032	789	2,020,185	5,245,080	2.60
1947	4,762	3,108	141,019	12,690	8	760,210	.	2,617	44,772	716	1,856,987	3,577,890	1.93
1946	4,863	2,908	134,794	12,998	10	760,215	.	2,929	38,977	460	1,733,839	2,442,550	1.41
1945	4,648	2,828	139,299	12,515	8	734,710	.	2,879	36,219	215	1,713,655	2,094,250	1.22
1944	4,697	2,937	124,616	14,118	9	746,699	.	3,070	33,356	58	1,677,904	2,032,960	1.21
1943	5,059	3,322	123,152	15,757	10	594,343	.	3,349	34,253	6	1,505,613	1,809,020	1.20
1942	5,421	3,543	140,690	17,750	9	483,097	..	3,474	32,812	6	1,386,645	1,643,470	1.19
1941	5,185	3,510	154,702	16,779	12	505,572	4	3,533	29,878	3	1,402,228	1,602,000	1.14
1940	4,999	3,159	156,164	17,353	24	493,209	3	3,444	25,711	.	1,353,214	1,385,440	1.02
1939	5,098	3,156	159,913	17,382	50	483,528	4	3,580	21,454	.	1,264,862	1,294,470	1.02
1938	5,045	3,298	174,994	17,426	(¹)	475,850	(¹)	3,684	19,022	82	1,214,355	1,373,060	1.13
1937	5,478	3,559	228,839	19,189	(¹)	510,318	(¹)	3,845	19,166	77	1,279,160	1,513,340	1.18
1936	4,663	3,847	206,555	17,070	(¹)	427,411	(¹)	3,847	14,582	63	1,099,687	1,199,820	1.09
1935	4,236	4,082	185,288	15,810	(¹)	392,666	(¹)	3,902	13,755	65	996,596	961,440	0.96
1934	3,804	4,234	180,107	14,478	10	381,516	(¹)	4,095	12,556	41	908,065	904,825	1.00
1933	3,181	4,235	182,251	12,624	5	402,609	(¹)	3,815	11,227	30	905,656	608,000	0.67
1932	3,508	4,644	153,244	12,412	5	312,478	(¹)	3,876	13,418	16	785,159	680,460	0.87
1931	3,363	5,327	180,574	11,892	6	332,437	(¹)	4,472	14,834	7	851,081	550,630	0.65
1930	3,647	6,486	216,486	12,803	21	290,457	(¹)	5,071	17,868	7	898,011	1,070,200	1.19
1929	3,377	6,743	255,004	11,820	19	296,876	(¹)	5,574	19,314	7	1,007,323	1,280,417	1.27
1928	2,603	7,015	249,857	9,956	46	257,320	(¹)	5,661	21,461	6	901,474	1,054,880	1.17
1927	2,242	7,593	277,775	9,526	60	217,389	(¹)	6,023	21,307	7	901,129	1,172,830	1.30
1926	1,956	7,272	179,195	8,961	43	166,916	(¹)	5,946	25,776	8	770,874	1,447,760	1.88
1925	1,695	7,212	176,768	8,097	24	144,648	(¹)	5,763	29,173	12	763,743	1,284,960	1.68
1924	1,440	6,811	173,538	7,486	10	134,522	(¹)	5,920	39,498	13	713,940	1,022,683	1.43
1923	1,250	7,085	160,929	7,609	8	131,023	.	6,358	44,785	18	732,407	978,430	1.34
1922	1,000	6,781	149,571	7,425	10	118,584	.	7,021	26,715	13	557,531	895,111	1.61
1921	988	7,335	144,634	7,418	12	106,166	.	7,822	19,333	12	472,183	814,745	1.73
1920	906	7,400	106,206	7,438	14	96,868	(¹)	8,429	16,831	13	442,929	1,360,745	3.07
1919	851	7,736	86,911	8,137	15	79,366	(¹)	8,327	13,172	12	378,367	760,266	2.01
1918	809	7,725	103,347	7,408	8	38,750	(¹)	7,867	12,506	18	353,327	703,944	1.98
1917	890	7,753	107,508	7,733	12 ⁸	32,413	(¹)	8,379	8,696	10	335,316	522,635	1.56
1916	884	7,734	107,072	7,593	1 ⁸	27,645	(¹)	8,731	6,234	18	300,767	530,900	1.10
1915	838	7,825	97,915	7,838	.	24,943	(¹)	9,265	4,246	14	281,104	175,463	0.64
1914	939	8,536	73,632	8,170	..	20,068	(¹)	9,680	3,560	8	265,763	214,125	0.81
1913	948	8,781	63,579	7,917	..	15,010	(¹)	11,567	2,407	11	248,446	237,121	0.95
1912	874	8,969	51,427	7,838	.	11,735	(¹¹)	12,129	1,572 ¹¹	4	222,935	164,213	0.74
1911	953	8,817	56,069	8,248	.	9,526	(¹¹)	9,796	187 ¹¹	..	220,449	134,045	0.61
1910	1,054	9,916	52,029	8,795	.	8,899	(¹¹)	11,753	115 ¹¹	..	209,557	127,900	0.61
1909	1,135	10,633	47,859	9,299	....	9,534	(¹¹)	10,745	20 ¹¹	..	183,171	128,329	0.70

CRUDE-OIL PRODUCTION, BY STATES, 1859-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	New York	Ohio	Oklahoma	Penn- sylvania	Tennessee	Texas	Utah ¹³	West Virginia	Wyom- ing	Other States ¹⁴	Total United States	Total Value at Wells (Thousands of Dollars)	Average Value (Dollars Per Barrel) ¹²
1908.....	1,160	10,859	45,799	9,424	...	11,207	(¹¹)	9,523	18 ¹¹	...	178,527	129,079	0.72
1909.....	1,212	12,207	43,524	10,000	(3)	12,323	(¹¹)	9,095	9 ¹¹	...	166,095	150,107	0.72
1906.....	1,243	14,788	18,091 ^a	10,257	(3)	12,568	...	10,121	7	...	126,494	82,445	0.73
1905.....	1,118	16,347	8,264 ^a	10,437	(3)	28,136	...	11,578	8	...	134,717	84,157	0.62
1904.....	1,113	18,877	1,367	11,126	(3)	22,241	...	12,645	12	..	117,081	101,175	0.86
1903.....	1,163	20,480	139	11,355	(3)	17,956	...	12,900	9	...	100,461	94,694	0.94
1902.....	1,120	21,014	37	12,064	(3)	18,084	..	13,513	6	..	88,767	71,179	0.96
1901.....	1,207	21,648	10	12,625	(3)	4,394	..	14,177	5	..	69,389	66,417	0.96
1900.....	1,301	22,363	6	13,258	(3)	836	..	16,196	6	..	63,621	75,989	1.19
1899.....	1,321	21,142	...	13,054	(3)	669	..	13,911	6	..	57,071	64,604	1.13
1898.....	1,205	18,739	...	14,743	(3)	546	..	13,615	6	..	55,364	44,193	0.80
1897.....	1,279	21,561	1	17,983	(3)	66	..	13,090	4	..	60,476	40,874	0.68
1896.....	1,205	23,941	...	19,379	(3)	1	..	10,020	3	..	60,960	58,519	0.96
1895.....	913	19,545	(1)	18,231	(3)	(1)	..	8,120	4	..	52,892	57,632	1.02
1894.....	942	16,792	(1)	18,078	(3)	(1)	..	8,577	2	..	49,344	35,522	0.79
1893.....	1,032	16,249	(1)	19,283	(3)	(1)	..	8,446	..	..	48,431	28,950	0.60
1892.....	1,273	16,563	(1)	27,149	(3)	(1)	..	3,810	..	..	50,155	25,907	0.51
1891.....	1,585	17,740	(1)	27,124	(3)	(1)	..	2,406	..	..	51,293	30,527	0.56
1890.....	1,658	16,125	...	26,800	(3)	(1)	..	493	..	..	45,824	35,365	0.77
1889.....	1,897	12,472	...	19,591	(3)	(1)	..	544	..	..	35,164	26,963	0.77
1888.....	1,789	10,011	...	14,700	(3)	...	..	119	..	..	27,612	17,948	0.65
1887.....	2,075	5,023	...	20,281	(3)	...	..	145	..	..	28,283	18,877	0.67
1886.....	2,151	1,783	...	23,647	(3)	...	..	102	..	..	28,065	19,996	0.71
1885.....	2,658	662	...	18,118	(3)	..	..	91	..	..	21,859	19,198	0.88
1884.....	3,231	90	..	20,541	(3)	..	..	90	..	..	24,218	20,596	0.85
1883.....	4,004	47	..	19,125	(3)	..	..	126	..	..	23,450	25,790	1.10
1882.....	6,685	40	..	23,368	(3)	..	..	128	..	..	30,350	23,631	0.78
1881.....	1,095	34	...	26,281 ^a	(3)	...	..	151	..	..	27,661	25,448	0.92
1880.....	1,041 ^a	39	...	24,987 ^a	(3)	...	..	179	..	..	26,286	24,601	0.94
1879.....	787 ^a	29	...	18,898 ^a	(3)	...	..	180	..	..	19,914	17,211	0.86
1878.....	607 ^a	38	...	14,557 ^a	(3)	...	..	180	..	..	15,397	18,045	1.17
1877.....	525 ^a	30	...	12,610 ^a	(3)	...	..	172	..	..	13,350	31,789	2.38
1876.....	359 ^a	32	...	8,610 ^a	(3)	...	..	120	..	..	9,133	22,983	2.52
1875.....	352 ^a	(^a)	...	8,436 ^a	...	...	..	(^a)	..	..	8,788	7,368	0.97
1874.....	437 ^a	(^a)	...	10,490 ^a	...	...	..	(^a)	..	..	10,927	12,648	1.15
1873.....	396 ^a	(^a)	...	9,498 ^a	...	...	..	(^a)	..	..	9,894	18,100	1.80
1872.....	252 ^a	(^a)	...	6,041 ^a	...	...	..	(^a)	..	..	6,293	21,440	3.75
1871.....	208 ^a	(^a)	...	4,997 ^a	...	...	..	(^a)	..	..	5,205	22,591	4.40
1870.....	211 ^a	(^a)	...	5,050 ^a	...	...	..	(^a)	..	..	5,261	20,504	3.90
1869.....	169 ^a	(^a)	...	4,046 ^a	...	...	..	(^a)	..	..	4,215	23,730	5.60
1868.....	146 ^a	(^a)	...	3,500 ^a	...	...	..	(^a)	..	..	3,646	13,217	3.62
1867.....	134 ^a	(^a)	...	3,213 ^a	...	...	..	(^a)	..	..	3,347	18,067	2.40
1866.....	149 ^a	(^a)	...	3,454 ^a	...	...	..	(^a)	..	..	3,598	13,455	3.75
1865.....	100 ^a	(^a)	...	2,398 ^a	...	...	..	(^a)	..	..	2,498	16,460	6.59
1864.....	(^a)	(^a)	...	2,116 ^{a, 10}	...	...	..	(^a)	..	..	2,116	20,897	8.15

CRUDE-OIL PRODUCTION, BY STATES, 1859-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	New York	Ohio	Oklahoma	Penn- sylvania	Tennessee	Texas	Utah	West Virginia	Wyom- ing	Other States ¹⁴	Total United States	Total Value at Wells sands of Dollars)	Average Value (Dollars Per Barrel) ¹⁵
1863.....	(*)	2,611	.....	..	....	(*)	...	....	2,611	8,226	3.15
1862.....	(*)	3,057	..	..	..	(*)	..	..	3,057	3,210	1.05
1861.....	(*)	2,114	..	..	..	(*)	..	..	2,114	1,036	0.52
1860.....	(*)	500	..	..	..	(*)	..	..	500	4,800	9.60
1859.....	2	..	..	..	..	..	..	2	32	20.00

¹ Preliminary.

² Estimated Kentucky production, 1860-1882, 161,000 bbl.

³ Estimated included with Kentucky, 1876-1907, inclusive.

⁴ Less than 500 bbl.

⁵ Michigan shown with Missouri, 1900-1911.

⁶ Figures for Oklahoma and Kansas for years 1905-1906 shown together by *Mineral Resources* (U. S. Geological Survey) were divided by and of *Petroleum in the United States and Possessions*, by Arnold and Kemnitz.

⁷ Included under "unclassified."

⁸ Kentucky and Tennessee figures in years 1916 through 1918 obtained from *Mineral Resources and Petroleum in the United States and Possessions*. In 1921 through 1923, Alaska, Missouri, and New Mexico; 1920, Alaska, Michigan, Missouri, and New Mexico; 1912, Alaska, Michigan, Missouri, and New Mexico; 1913, Alaska, Michigan, Missouri, and New Mexico; 1914 through 1916, Alaska, Michigan, Missouri, and New Mexico; 1917 through 1919, Alaska, Michigan, Missouri, and New Mexico; 1920 through 1923, Alaska, Michigan, Missouri, and New Mexico; 1924 through 1931, Alaska and Utah; 1932, Alaska, Missouri, and Utah; 1933, Alaska, Missouri, and Utah; 1934, Missouri, and Utah; 1935, Mississippi, Missouri, Tennessee, and Utah; 1936 through 1938, Missouri, Tennessee, and Utah; 1939, Alabama, Florida, and Virginia; 1940 through 1949, Alabama, Florida, and Virginia; 1943, Florida and Virginia; 1944 through 1949, Alabama, Florida, and Virginia.

⁹ Pennsylvania and New York separated in years 1864 through 1881 by aid of *Petroleum in the United States and Possessions*, by Arnold and Kemnitz. In addition, the following estimates which are not shown by the official *Mineral Resources*: Ohio, 1860 through 1875, 200,000 bbl; West Virginia, 1860 through 1875, 2,800,000 bbl.

¹⁰ New York included with Pennsylvania.

¹¹ Insignificant production of Utah (mostly used as fuel) shown with Wyoming.

¹² Figures on average price per barrel for years 1859 through 1875 taken from *Petroleum in the United States and Possessions*, by Arnold and Kemnitz;

remainder from *Mineral Resources and Minerals Year Book*.

¹³ Utah production estimated at 3,650 bbl in 1859; 3,126 bbl in 1940; and 189,726 bbl cumulative through 1940.

¹⁴ "Other States" includes: 1912, Alaska, Michigan, Missouri, and New Mexico; 1913, Alaska, Michigan, Missouri, and New Mexico; 1914 through 1916, Alaska, Michigan, Missouri, and New Mexico; 1917 through 1919, Alaska, Michigan, Missouri, and New Mexico; 1920 through 1923, Alaska, Michigan, Missouri, and New Mexico; 1924 through 1931, Alaska and Utah; 1932, Alaska, Missouri, and Utah; 1933, Alaska, Missouri, and Utah; 1934, Missouri, and Utah; 1935, Mississippi, Missouri, Tennessee, and Utah; 1936 through 1938, Missouri, Tennessee, and Utah; 1939, Alabama, Florida, and Virginia; 1940 through 1949, Alabama, Florida, and Virginia; 1943, Florida and Virginia; 1944 through 1949, Alabama, Florida, and Virginia.

¹⁵ Little production, but no record available.

Authority. Bureau of Mines

Texas Produces 40 Per Cent of Nation's Oil

CRUDE OIL PRODUCED, BY PRINCIPAL STATES, 1910-1949¹

(Per Cent of Total)

Year	Texas	California	Louisiana	Oklahoma	Kansas	Illinois	New Mexico	Wyoming	Arkansas	Michigan	Mississippi	Pennsylvania	All Other	Total United States
1949 ¹	40.4	18.1	10.4	8.3	5.5	3.5	2.6	2.6	1.6	0.9	2.1	0.6	3.4	100.0
1948...	44.7	16.8	9.0	7.6	5.5	3.2	2.4	2.7	1.6	0.8	2.3	0.6	2.8	100.0
1947...	44.2	17.9	8.6	7.6	5.7	3.6	2.2	2.4	1.6	0.9	1.9	0.7	2.7	100.0
1946...	43.8	18.2	8.3	7.8	5.6	4.3	2.1	2.2	1.6	1.0	1.4	0.7	3.0	100.0
1945...	44.0	19.1	7.6	8.1	5.6	4.4	2.2	2.1	1.7	1.0	1.1	0.7	2.4	100.0
1944...	44.5	18.6	7.7	7.4	5.9	4.6	2.4	2.0	1.8	1.1	1.0	0.8	2.2	100.0
1943...	39.5	18.9	8.2	8.2	7.1	5.5	2.6	2.3	1.8	1.4	1.2	1.0	2.4	100.0
1942...	34.8	17.9	8.3	10.2	7.0	7.7	2.3	2.4	1.9	1.6	2.1	1.3	2.5	100.0
1941...	36.1	16.4	8.3	11.0	5.9	9.4	2.8	2.1	1.9	1.2	1.1	1.2	2.6	100.0
1940...	36.4	16.6	7.7	11.5	4.9	10.9	2.9	1.9	1.9	1.5	0.3	1.3	2.2	100.0
1939.....	38.2	17.7	7.4	12.7	4.8	7.5	3.0	1.7	1.7	1.8	...	1.4	2.1	100.0
1938.....	39.2	20.6	7.8	14.4	5.0	2.0	2.9	1.6	1.5	1.5	...	1.4	2.1	100.0
1937...	39.9	18.6	7.1	17.9	5.5	0.6	3.1	1.5	0.9	1.3	...	1.5	2.1	100.0
1936...	38.9	19.5	7.3	18.8	5.3	0.4	2.5	1.3	0.9	1.1	...	1.6	2.4	100.0
1935...	39.4	20.9	5.0	18.6	5.5	0.4	2.1	1.4	1.1	1.5	...	1.6	2.5	100.0
1934...	42.0	19.2	3.6	19.9	5.1	0.5	1.9	1.4	1.1	1.2	...	1.6	2.5	100.0
1933...	44.5	19.0	2.8	20.1	4.6	...	1.6	...	1.3	0.9	...	1.4	3.8	100.0
1932.....	39.8	22.7	2.8	19.5	4.4	...	1.6	...	1.5	0.9	...	1.6	5.2	100.0
1931.....	39.1	22.2	2.6	21.2	4.4	...	1.8	...	1.7	0.4	...	1.4	5.2	100.0
1930...	32.4	25.3	2.6	24.1	4.7	...	1.1	...	2.2	0.4	...	1.4	5.8	100.0
1929...	29.5	29.0	2.0	25.3	4.3	...	0.2	...	2.5	0.4	...	1.2	5.6	100.0
1928.....	28.5	25.7	2.4	27.7	4.3	0.7	0.1	2.4	3.6	0.1	...	1.1	3.4	100.0
1927...	24.1	25.7	2.5	30.8	4.6	0.8	0.1	2.4	4.4	(4)	...	1.1	3.5	100.0
1926.....	21.7	29.1	3.0	23.2	5.4	1.0	0.2	3.3	7.6	(4)	...	1.2	4.3	100.0
1925...	18.9	30.4	2.7	23.1	5.0	1.0	0.1	3.8	10.1	(4)	...	1.1	3.8	100.0
1924.....	18.8	32.1	3.0	24.3	4.0	1.1	(4)	5.5	6.4	...	...	1.0	3.8	100.0
1923.....	17.9	35.9	3.4	22.0	3.9	1.2	(5)	6.1	5.0	...	...	1.0	3.6	100.0
1922.....	21.3	24.8	6.3	26.8	5.7	1.7	(5)	4.8	2.3	...	...	1.3	5.0	100.0
1921.....	22.5	23.8	5.7	24.3	7.7	2.1	(5)	4.1	2.2	...	...	1.6	6.0	100.0
1920.....	21.9	23.3	8.1	24.0	8.8	2.4	(5)	3.8	(5)	...	...	1.7	6.0	100.0
1919.....	21.0	26.7	4.5	23.0	8.7	3.2	(5)	3.5	...	(5)	...	2.2	7.2	100.0
1918.....	10.9	27.4	4.5	29.0	12.8	3.8	(5)	3.5	...	(5)	...	2.1	6.0	100.0
1917.....	9.7	28.0	3.4	32.1	10.9	4.7	...	2.7	...	(5)	...	2.3	6.2	100.0
1916.....	9.2	30.2	5.1	35.6	2.9	5.9	...	2.1	...	(5)	...	2.5	6.5	100.0
1915.....	8.9	30.8	6.5	34.8	1.0	6.8	...	1.5	...	(5)	...	2.8	6.9	100.0
1914.....	7.6	37.5	5.4	27.7	1.2	8.2	...	1.3	...	(5)	...	3.1	8.0	100.0
1913.....	6.0	39.4	5.0	25.6	1.0	9.6	(1)	1.0	...	(5)	...	3.2	9.2	100.0
1912.....	5.3	39.1	4.2	23.1	0.7	12.8	...	0.7	...	(5)	...	3.5	10.6	100.0
1911.....	4.3	36.8	4.9	25.4	0.6	14.2	...	0.1	...	(5)	...	3.7	10.0	100.0
1910.....	4.2	34.8	3.3	24.8	0.5	15.8	...	0.1	...	(5)	...	4.2	12.3	100.0

¹Preliminary.

²See footnote to table entitled "Crude-oil production, by states," p. 149.

³Included in "all other."

⁴Less than 0.05 per cent.

Authority Bureau of Mines.

Four States Produce Three-fourths of U. S. Oil

U. S. PRODUCTION OF CRUDE OIL, BY STATE AND RANK

(Production in Thousands of Barrels)

State	1949 ¹		Rank	Year of First Recorded Production	All- Year Rank	Cumulative Production, First Year through 1949	Per Cent of Total	1940	
	Production	Per Cent of Total						Production	Rank
Texas	743,990	40.43	1	1889	1	12,901,141	33.12	493,209	1
California	332,839	18.09	2	1876	2	8,291,888	21.29	223,881	2
Louisiana	190,715	10.36	3	1902	4	2,351,940	6.04	103,584	5
Oklahoma	151,902	8.25	4	1891	3	6,070,752	15.59	156,164	3
Kansas	101,868	5.54	5	1889	5	2,018,292	5.18	66,139	6
Illinois	64,583	3.51	6	1889	6	1,444,370	3.71	147,647	4
New Mexico	47,932	2.60	7	1913	10	635,315	1.63	39,129	7
Wyoming	46,935	2.55	8	1894	8	853,212	2.19	25,711	9
Mississippi	37,966	2.06	9	1933	14	245,823	0.63	4,400	16
Arkansas	29,936	1.63	10	1920	9	764,944	1.96	25,775	8
Colorado	23,790	1.29	11	1887	19	123,894	0.32	1,626	19
Michigan	16,495	0.90	12	1900	13	329,599	0.79	19,753	10
Pennsylvania	11,374	0.62	13	1889	7	1,123,714	2.89	17,353	11
Indiana	9,554	0.52	14	1889	16	189,584	0.49	17,353	15
Montana	9,149	0.50	15	1916	18	160,173	0.41	6,728	12
Kentucky	8,656	0.47	16	1883	15	241,718	0.62	5,188	13
New York	4,248	0.23	17	1864	17	162,281	0.42	4,999	14
Ohio	3,433	0.19	18	1876	11	617,566	1.59	3,159	18
West Virginia	2,839	0.15	19	1876	12	438,152	1.13	3,444	17
Utah	757	0.04	20	1907	21	784	.	3	
Alabama	462	0.02	21	1944	20	1,928	....	
Other states	882	0.05	..			955	....	344 ²	..
U. S. total	1,840,307	100.00	..			38,945,125	100.00	1,353,214	..

¹ Preliminary. " include Tennessee, Missouri, and Nebraska. Nebraska ranks 20th in production, with 276,000 bbl.

² "Other states" include Tennessee, Missouri, and Nebraska.

Authority Bureau of Mines

Mid Continent Region Leads U. S. Oil Production for 35 Years

CRUDE OIL PRODUCED IN THE UNITED STATES, BY REGIONS, 1859-1949²

(Thousands of Barrels of 42 U. S. Gallons)

Year	Appalachian	California	Lima-Indiana ³	Rocky Mountain ⁴	Illinois ⁵	Mid Continent	Gulf	Other	United States
1949 ¹	30,948	332,839	16,627	80,999	74,115	949,756	355,023	...	1,840,307
1948	32,622	340,074	16,996	82,667	71,758	1,063,638	412,430	...	2,020,185
1947	32,762	333,132	16,379	69,621	72,530	949,550	383,013	...	1,856,987
1946	34,180	314,713	17,282	60,108	81,999	871,081	354,576	...	1,733,939
1945	33,047	326,482	17,481	50,130	79,938	846,227	360,350	...	1,713,655
1944	34,272	311,793	18,709	44,433	82,507	819,722	366,317	...	1,677,753
1943	35,237	284,188	20,944	44,919	87,516	736,487	296,322	...	1,505,613
1942	34,563	248,326	22,075	43,586	113,110	703,490	221,495	...	1,386,645
1941	33,102	230,263	16,933	39,957	139,780	716,544	225,649	...	1,402,228
1940	33,762	223,881	20,182	34,467	152,601	686,977	201,344	...	1,353,214
1939	34,307	224,354	24,066	29,146	96,599	665,724	190,766	...	1,264,962
1938	34,731	249,749	19,352	25,739	25,046	677,521	182,217	...	1,214,355
1937	36,964	238,521	17,272	26,966	8,325	774,369	176,743	...	1,279,160
1936	34,322	214,773	12,706	22,509	5,277	669,538	140,562	...	1,099,687
1935	32,384	207,832	16,715	20,291	5,079	608,605	105,690	...	996,596
1934	30,505	174,305	11,603	17,678	5,293	584,732	83,949	...	908,065
1933	27,436	172,010	8,988	14,800	4,967	601,147	76,308	...	905,656
1932	29,667	178,128	8,004	17,410	5,450	493,034	53,466	...	785,159
1931	30,401	188,830	4,941	19,739	5,842	543,736	57,592	...	851,081
1930	34,105	227,329	5,276	23,501	6,677	531,447	69,676	...	898,011
1929	33,824	292,534	6,075	26,267	7,237	584,280	57,106	...	1,007,323
1928	31,059	231,811	2,264	28,720	7,425	553,506	46,689	...	901,474
1927	30,454	231,196	2,274	29,808	7,720	547,624	52,053	...	901,129
1926	28,572	224,673	2,124	36,927	8,418	424,885	45,275	...	770,874
1925	27,610	232,492	2,124	34,814	8,512	425,079	33,112	...	763,743
1924	27,056	228,933	2,287	42,869	8,747	375,479	28,569	...	713,940
1923	28,225	262,876	2,404	47,653	9,500	348,460	33,271	18 ⁶	732,407
1922	29,180	138,468	2,269	29,261	10,231	310,992	37,117	13 ⁶	557,531
1921	30,451	112,600	2,404	20,950	10,934	258,461	36,371	12 ⁶	472,183
1920	30,630	103,377	2,407	20,282	11,427	250,111	27,682	13 ⁷	442,929
1919	31,830	101,183	2,796	13,383	12,650	193,147	23,366	12 ¹⁰	378,367
1918	25,401	97,532	3,221	12,809	13,366	179,383	24,208	8 ⁸	355,928
1917	24,932	93,878	3,670	9,199	15,777	163,506	24,343	10 ⁸	335,316
1916	23,009	90,952	3,905	6,476	17,714	136,934	21,768	8 ⁹	300,767
1915	22,860	86,592	4,270	4,454	19,042	123,294	20,579	14 ⁹	281,104
1914	24,101	99,775	5,063	3,783	21,920	97,995	13,118	8 ⁹	265,763
1913	25,922	97,789	4,773	2,595	23,894	84,920	8,542	11 ¹⁰	248,446
1912	26,339	87,273	4,926	1,778	28,601	65,473	8,545	...	222,935
1911	23,750	81,134	6,231	414	31,317	66,595	11,000	8 ¹¹	220,449
1910	26,893	73,011	7,254	355	33,143	59,218	9,680	4 ¹¹	209,557
1909	26,536	55,472	8,211	331	30,898	50,834	10,883	6 ¹¹	183,171
1908	24,946	44,855	10,032	397	33,686	48,824	15,772	15 ¹¹	178,527
1907	25,342	39,748	13,121	341	24,232	46,896	16,360	4	166,095
1906	27,741	33,099	17,555	335	4,397	22,840	20,524	4	126,494
1905	29,367	33,427	22,294	385	181	12,534	36,526	3	134,718
1904	31,409	29,649	24,689	513	...	6,187	24,631	3	117,081
1903	31,558	24,382	24,080	493	...	1,573	18,371	3	100,461
1902	32,019	13,984	23,359	403	...	987	18,014	1	88,767
1901	33,618	8,786	21,933	466	...	990	3,593	2	69,389
1900	36,295	4,324	21,759	323	...	917	...	2	63,621
1899	33,068	2,642	20,225	396	...	738	1	...	57,071
1898	31,717	2,257	20,321	450	...	617	1	...	55,364
1897	35,230	1,903	22,805	389	...	148	...	...	60,476
1896	33,972	1,253	25,256	364	...	115	...	...	60,960
1895	30,961	1,208	20,237	442	...	44	...	...	52,892
1894	30,783	706	17,297	518	...	40	...	...	49,345
1893	31,366	470	15,982	594	...	18	...	...	48,431
1892	33,432	385	15,868	824	1	5	...	...	50,515
1891	35,849	324	17,453	665	1	1	...	...	54,293
1890	30,067	307	15,078	369	1	1	...	...	45,824
1889	22,355	303	12,187	316	1	1	...	...	35,164
1888	16,941	690	9,683	298	...	...	...	...	27,612
1887	22,878	679	4,650	76	...	...	...	...	28,283
1886	26,550	377	1,138	...	...	...	...	...	28,065
1885	21,534	325	...	...	...	...	...	...	21,859

CRUDE OIL PRODUCED IN THE UNITED STATES, BY REGIONS, 1859-1949²—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	Appalachian	California	Lima-Indiana ³	Rocky Mountain ⁴	Illinois ⁵	Mid Continent	Gulf	Other	United States
1884	23,956	262							24,218
1883	23,307	143							23,450
1882	30,221	129							30,350
1881	27,561	100							27,661
1880	26,246	41							26,286
1879..	19,894	20							19,914
1878	15,380	15							15,395
1877..	13,337	13							13,350
1876..	9,121	12							9,133
1875...	8,788								8,788
1874..	10,927								10,927
1873....	9,894								9,894
1872..	6,293								6,293
1871	5,205								5,205
1870..	5,261								5,261
1869..	4,215								4,215
1868..	3,646								3,646
1867..	3,347								3,347
1866.	3,598								3,598
1865	2,498								2,498
1864.	2,116								2,116
1863..	2,611								2,611
1862..	5,057								3,057
1861	2,114								2,114
1860	500								500
1859.....	2								2

¹ Preliminary

² Regions indicated in this table and all others in the production section are those of the Bureau of Mines. Appalachian includes New York, Pennsylvania, West Virginia, and eastern Ohio. California includes California only. Lima-Indiana includes northwestern Ohio, northeastern Indiana, and Michigan. Illinois includes all of Illinois and southwestern Indiana. Mid Continent includes Kansas, Oklahoma, northwestern Texas, northern Louisiana, Arkansas, Mississippi, and southeastern New Mexico. Gulf includes gulf coastal plain of Texas and Louisiana.

³ Southwest Indiana excluded after 1918. Includes Michigan after 1919.

⁴ Includes Alaska, 1924-1934.

⁵ Southwest Indiana included after 1918.

⁶ Alaska, Missouri, and New Mexico.

⁷ Alaska, Arkansas, Missouri, New Mexico, and Utah.

⁸ Alaska and Michigan.

⁹ Alaska, Michigan, and Missouri.

¹⁰ Alaska, Michigan, Missouri, and New Mexico.

¹¹ Michigan and Missouri.

Authority Bureau of Mines

**CRUDE OIL PRODUCED IN THE UNITED STATES, BY REGIONS,
1859-1949 ²**

Year	Appalachian	California	Lima-Indiana	Rocky Mountain	Illinois	Mid Continent	Gulf	Other	United States
1949 ¹	84,789	911,888	45,553	221,915	203,055	2,602,071	972,666	....	5,941,937
1948	89,131	929,164	46,437	225,866	196,060	2,906,115	1,126,858	....	5,519,931
1947	89,759	912,690	44,874	190,742	198,712	2,601,507	1,049,351	....	5,087,636
1946	93,644	862,227	47,348	164,679	224,655	2,386,523	971,441	....	4,750,518
1945	90,540	894,471	47,893	137,342	219,008	2,318,430	987,260	....	4,694,945
1944	93,639	851,893	51,117	121,402	225,429	2,239,678	1,000,866	....	4,584,025
1943	96,540	778,597	57,381	123,066	239,770	2,017,773	811,841	....	4,124,967
1942	94,693	680,345	60,479	119,414	309,890	1,927,370	606,836	....	3,799,027
1941	90,691	630,858	46,392	109,471	382,959	1,963,137	618,217	....	3,841,725
1940	92,246	611,697	55,142	94,172	416,943	1,876,986	550,120	....	3,697,306
1939	93,992	614,669	65,934	79,852	264,655	1,823,904	522,647	..	3,465,653
1938	95,154	684,245	53,019	70,518	68,619	1,856,225	499,225	..	3,327,005
1937	101,271	653,483	47,321	73,880	22,808	2,121,562	484,228	..	3,504,553
1936	93,776	586,811	34,716	61,500	14,418	1,829,339	384,409	....	3,004,609
1935	88,723	569,404	45,795	55,592	13,915	1,667,413	289,562	..	2,730,404
1934	83,575	477,549	31,789	48,433	14,501	1,602,008	229,998	....	2,487,853
1933	75,167	471,261	24,625	40,548	13,608	1,646,980	209,063	....	2,481,252
1932	81,057	486,688	21,869	47,568	14,890	1,347,087	146,082	....	2,145,241
1931	83,291	517,343	13,537	54,080	16,006	1,489,690	157,787	....	2,331,734
1930	93,438	622,820	14,455	64,386	18,293	1,456,021	190,893	....	2,460,306
1929	92,669	801,464	16,644	71,964	19,827	1,600,769	156,455	....	2,759,792
1928	84,860	633,363	6,186	78,470	20,287	1,512,311	127,566	....	2,463,043
1927	83,436	633,415	6,230	81,666	21,151	1,500,342	142,611	....	2,468,851
1926	78,280	615,543	5,819	101,170	23,063	1,164,070	124,041	....	2,111,986
1925	75,644	636,965	5,819	95,381	23,321	1,164,602	90,718	....	2,092,450
1924	73,923	625,500	6,249	117,128	23,899	1,025,899	78,057	....	1,950,655
1923	77,329	720,209	6,586	130,556	26,027	954,686	91,154	49	2,006,596
1922	79,945	379,365	6,216	80,167	28,030	852,034	101,691	36	1,527,484
1921	83,428	308,494	6,586	57,397	29,956	708,113	99,647	33	1,293,654
1920	83,689	282,451	6,577	47,219	31,221	683,363	75,634	35	1,210,189
1919	87,206	277,214	7,680	36,666	34,658	529,171	64,017	33	1,036,625
1918	69,593	267,211	8,824	35,093	36,619	491,461	66,322	21	975,144
1917	68,308	257,199	10,056	25,204	43,224	447,963	66,693	28	918,675
1916	62,867	248,503	10,669	17,695	48,400	374,138	59,476	21	821,769
1915	62,630	237,237	11,698	12,203	52,169	387,793	56,380	39	770,149

CRUDE OIL PRODUCED IN THE UNITED STATES, BY REGIONS, 1859-1949 ¹—Continued

(Barrels Per Day)

Year	Appalachian	California	Lima-Indiana	Rocky Mountain	Illinois	Mid Continent	Gulf	Other	United States
1884.....	65,455	716	....	..	....	..	....	....	66,171
1883.....	63,854	391	..	..	....	..	....	..	64,245
1882.....	82,798	352	..	..	....	..	....	..	83,150
1881.....	75,511	274	..	..	....	..	....	..	75,785
1880.....	71,709	110	..	..	....	..	....	..	71,819
1879.....	54,505	54	..	..	....	..	..	..	54,559
1878.....	42,136	42	..	..	....	..	..	..	42,178
1877.....	36,541	36	..	..	....	..	..	..	36,577
1876.....	24,920	33	..	..	....	..	....	..	24,953
1875.....	24,075	....	..	..	....	..	..	..	24,075
1874.....	29,937	....	....	....	..	....	..	..	29,937
1873.....	27,106	..	..	..	....	..	..	..	27,106
1872.....	17,195	....	..	..	..	..	..	..	17,195
1871.....	14,261	..	..	..	..	..	..	..	14,261
1870.....	14,413	....	..	..	....	..	....	..	14,413
1869.....	11,548	....	..	..	..	....	..	..	11,548
1868.....	9,962	....	..	..	..	..	..	..	9,962
1867.....	9,171	..	..	..	..	..	..	..	9,171
1866.....	9,856	....	..	..	..	..	..	..	9,856
1865.....	6,843	....	..	..	..	..	..	..	6,843
1864.....	5,782	..	..	..	..	....	..	..	5,782
1863.....	7,154	....	..	..	..	....	..	..	7,154
1862.....	8,374	....	..	..	..	....	..	..	8,374
1861.....	5,791	..	..	..	..	..	..	..	5,791
1860.....	1,366	..	..	..	..	..	..	..	1,366
1859.....	5	....	..	..	..	..	....	..	5

¹ Preliminary.

² See footnote (2), p. 153 for regions.

³ Less than 1 bbl per day.

Authority Bureau of Mines

PENNSYLVANIA-GRADE CRUDE OIL PRODUCED, BY YEARS AND STATES

(Thousands of Barrels of 42 U. S. Gallons)

Year	Pennsylvania	New York	West Virginia	Central and Eastern Ohio	Total
1949 ¹	11,366	4,248	2,839	2,052	20,505
1948 . .	12,659	4,621	2,692	2,319	22,291
1947 . .	12,682	4,762	2,617	1,966	22,027
1946 . .	12,989	4,863	2,929	1,682	22,463
1945 . .	12,509	4,648	2,879	1,505	21,541
1944 . .	14,105	4,697	3,070	1,525	23,397
1943 . .	15,738	5,059	3,349	1,719	25,865
1942 . .	17,760	5,421	3,574	1,637	28,392
1941 . .	16,731	5,185	3,433	1,459	26,808
1940 . .	17,334	4,999	3,444	1,195	26,972
1939 . .	17,363	5,098	3,580	1,179	27,220
1938 . .	17,407	5,045	3,684	1,180	27,316
1937 . .	19,173	5,478	3,844	1,367	29,862
1936 . .	17,053	4,663	3,846	1,510	27,072
1935 . .	15,794	4,236	3,901	1,547	25,478
1934 . .	14,462	3,804	4,095	1,597	23,958
1933 . .	12,607	3,181	3,815	1,594	21,197
1932 . .	12,396	3,508	3,875	1,741	21,520
1931 . .	11,876	3,363	4,470	2,184	21,893
1930 . .	12,786	3,647	5,068	2,742	24,243
1929 ²	11,820	3,377	5,574	2,654	23,425

¹ Preliminary.

² Pennsylvania Grade Crude Oil Assn.

Authority Bureau of Mines

23 Fields Produce Over 10 Million Barrels Each in 1949

PRODUCTION IN LEADING U. S. OIL FIELDS ²

ALL FIELDS WITH MORE THAN 100,000,000 BARRELS TOTAL PRODUCTION AND ALL FIELDS
WITH MORE THAN 10,000,000 BARRELS OF PRODUCTION IN 1949

(Thousands of Barrels of 42 U. S. Gallons)

Field	State	Year Found	Total Production Since Discovery	All- Year Rank	1949 Pro- duction	1948 Pro- duction	1949 ³ Rank
East Texas	Texas	1930	2,679,804	1	93,589	111,879	1
Midway-Sunset	California	1901	748,775	2	12,749	13,180	15
Long Beach	California	1921	743,040	3	8,356	8,159	..
Oklahoma City	Oklahoma	1928	668,458	4	7,703	8,555	..
Santa Fe Springs	California	1919	528,226	5	5,340	5,512	..
Bradford	Pennsylvania	1871	525,741	6	9,758	11,173	..
Wilmington	California	1935	460,880	7	43,655	48,317	2
Huntington Beach	California	1920	438,269	8	21,116	20,821	6
Smackover	Arkansas	1922	422,758	9	3,848	3,872	..
Cushing	Oklahoma	1912	382,387	10	2,726	2,869	..
Buena Vista	California	1909	377,976	11	13,962	16,596	13
Ventura Avenue	California	1916	376,787	12	21,133	17,738	5
Kettleman North Dome	California	1928	361,948	13	11,740	12,832	18
Yates	West Texas	1926	361,757	14	11,883	18,150	17
Salt Creek	Wyoming	1906	335,467	15	3,899	4,646	..
Kern River	California	1899	305,935	16	3,598	4,502	..
Conroe	Texas Gulf Coast	1931	281,210	17	11,633	20,437	20
Coalinga East	California	1900	271,272	18	5,616	6,733	..
Bridgeport	Illinois	1906	242,386	19	1,943	1,898	..
Glenn Pool	Oklahoma	1905	238,535	20	2,587	2,615	..
Burbank	Oklahoma	1920	228,324	21	2,338	2,419	..
Hendrick	West Texas	1926	214,801	22	1,300	1,226	..
Salem	Illinois	1938	212,166	23	4,106	4,687	..
Healdton	Oklahoma	1913	210,955	24	2,527	2,638	..
Van	East Texas	1929	203,777	25	8,312	12,115	..

PRODUCTION IN LEADING U. S. OIL FIELDS²—Continued

ALL FIELDS WITH MORE THAN 100,000,000 BARRELS TOTAL PRODUCTION AND ALL FIELDS
WITH MORE THAN 10,000,000 BARRELS OF PRODUCTION IN 1949

(Thousands of Barrels of 42 U. S. Gallons)

Field	State	Year Found	Total Production Since Discovery	All- Year Rank	1949 Pro- duction	1948 Pro- duction	1949 ³ Rank
Brea-Olinda	California	1889	203,291	26	5,277	5,286	.
Elk Hills	California	1919	202,139	27	2,921	2,118	.
Eldorado	Kansas	1916	201,705	28	3,084	3,025	.
Wasson	West Texas	1936	197,563	29	19,278	28,852	8
McElroy	West Texas	1926	193,690	30	8,146	10,617	.
Agua Dulce	Texas Gulf Coast	1928	190,455	31	27,772	25,854	3
Caddo	Louisiana	1905	184,106	32	4,968	3,381	.
Hastings	Texas Gulf Coast	1934	183,214	33	14,308	21,655	12
Dominguez	California	1923	182,865	34	4,752	4,865	.
St. Louis	Oklahoma	1927	172,840	35	1,283	1,336	.
Inglewood	California	1924	169,994	36	5,101	4,419	.
Burkburnett	North Texas	1912	166,470	37	1,453	1,341	.
Coalinga West	California	1900	165,382	38	1,944	2,551	.
Coyote West	California	1909	164,857	39	4,819	5,603	.
Slaughter-Levelland	West Texas	1936	163,130	40	22,822	27,371	4
Electra	North Texas	1911	161,334	41	2,685	5,841	.
Rodessa	Louisiana	1930	160,982	42	2,382	2,800	.
Robinson	Illinois	1906	157,016	43	1,381	1,253	.
Seminole	Oklahoma	1926	153,681	44	1,441	1,474	.
Montebello	California	1917	153,345	45	2,359	2,467	.
Coalinga Nose	California	1938	152,158	46	17,153	19,462	9
Louden	Illinois	1937	149,654	47	6,077	6,716	.
Tom O'Connor	Texas Gulf Coast	1934	146,451	48	12,166	18,202	16
Thompson	Texas Gulf Coast	1931	142,719	49	11,734	12,852	19
Howard-Glasscock	West Texas	1926	139,467	50	4,986	5,545	.
Webster (Friendswood)	Texas Gulf Coast	1937	138,782	51	13,144	20,745	14
Humble and Light	Texas Gulf Coast	1904	133,994	52	1,289	1,149	.
Allegany	New York	1879	131,720	53	3,438	3,551	.
Earlsboro	Oklahoma	1924	131,712	54	535	587	.
Bowlegs	Oklahoma	1926	130,310	55	1,176	1,265	.
Spindletop	Texas Gulf Coast	1901	129,408	56	492	398	.
Torrance	California	1922	128,177	57	2,792	2,862	.
K-M-A	North Texas	1931	127,728	58	4,799	4,404	.
Hobbs	New Mexico	1928	127,335	59	3,732	3,844	.
Tonkawa	Oklahoma	1921	124,610	60	265	307	.
Little River	Oklahoma	1927	123,009	61	1,194	1,432	.
Powell	East Texas	1923	118,868	62	361	374	.
Seal Beach	California	1926	118,248	63	4,390	4,150	.
Talco	East Texas	1936	116,815	64	6,168	8,804	.
McKittrick-Cymric	California	1887	116,440	65	3,815	7,533	.
Trapp	Kansas	1939	114,599	66	8,905	10,387	.
Tinsley	Mississippi	1939	112,594	67	5,560	6,047	.
Richfield	California	1919	111,973	68	2,354	2,272	.
Big Lake	West Texas	1923	109,945	69	1,032	1,110	.
Hewitt and West	Oklahoma	1919	109,798	70	2,716	1,672	.
Borger-Pantex	Texas	1926	109,154	71	3,262	3,044	.
Orcutt	California	1903	108,970	72	1,572	1,667	.
West Columbia	Texas Gulf Coast	1902	108,489	73	2,657	2,590	.
Hawkins	East Texas	1940	107,849	74	11,453	17,612	21
Fitts	Oklahoma	1933	107,202	75	1,076	1,126	.
Hull	Texas Gulf Coast	1918	106,802	76	1,750	1,523	.
Haynesville	Louisiana	1921	103,136	77	4,941	4,120	.
Goldsmith	West Texas	1934	102,349	78	9,141	11,160	.
Mexia	East Texas	1912	101,646	79	342	414	.
Jennings	Louisiana	1901	101,012	80	1,225	1,518	.
Monument	New Mexico	1934	100,345	81	6,488	6,902	.
Keystone	West Texas	1930	76,564	.	11,029	14,559	22
T-X-L	West Texas	1944	63,394	.	16,474	23,934	10
Fullerton	West Texas	1942	60,802	.	10,069	15,918	23
Rangely	Colorado	1902	56,662	.	19,549	13,867	7
Golden Trend	Oklahoma	1945	34,586	.	15,347	12,115	11

² Fields with estimated ultimate production of 100,000,000 bbl or more.

³ Rank is indicated for the 23 fields only which in 1949 had a production of 10,000,000 bbl. Scores of fields not listed in this table had a production in 1949 ranging from 1,000,000 bbl to 10,000,000 bbl.

Authority: Oil and Gas Journal

ANNUAL AND CUMULATIVE PRODUCTION OF ONSHORE WELLS IN TIDELAND OIL FIELDS IN THE STATE OF CALIFORNIA, BY YEARS, 1933-1948

(Barrels)

Year	Huntington Beach	Rincon	Elwood	Capitan	Summerland	Total
Cumulative to January 1, 1949	53,236,468	16,404,272	26,129,823	2,113,888	2,878,297	100,762,748
1948	2,854,356	568,963	67,839	33,776	1,956	3,526,890
1947	1,854,028	512,947	77,231	36,323	517	2,481,046
1946	1,810,831	563,142	99,701	36,253	924	2,510,851
1945	1,954,310	623,476	111,268	34,788	668	2,724,510
1944	2,045,338	779,540	119,172	40,429	2,471	2,986,950
1943	1,653,187	868,860	121,040	43,110	4,193	2,690,390
1942	1,330,432	822,573	106,293	33,762	5,444	2,298,504
1941	1,302,484	1,325,099	168,385	72,987	4,639	2,873,594
1940	1,393,511	1,369,495	200,372	108,877	6,052	3,078,307
1939	1,633,361	998,068	228,047	170,635	6,079	3,036,190
1938	2,057,581	1,137,316	284,043	248,968	7,618	3,735,526
1937	2,670,779	803,050	420,010	299,943	8,260	4,202,042
1936	2,967,382	516,829	704,363	359,384	8,581	4,556,539
1935	4,118,688	483,139	717,448	457,983	9,922	5,787,155
1934	2,636,664	378,063	898,717	114,616	12,815	4,040,875
1933	3,545,357	411,745	1,013,283	15,327	17,717	5,003,429
Cumulative to January 1, 1933	17,408,179	4,241,967	20,792,611	6,752	2,780,441	45,229,950

Authority: State Lands Commission, State of California

ANNUAL AND CUMULATIVE PRODUCTION OF OFFSHORE WELLS IN TIDELAND OIL FIELDS IN THE STATE OF CALIFORNIA, BY YEARS, 1933-1948

(Barrels)

Year	Huntington Beach	Rincon	Elwood	Capitan	Seal Beach	Coal Oil Point	Summer- land	Total
Cumulative to January 1, 1949	107,137,229	7,053,002	56,769,415	48,772	3,051	1,279	304,683	171,317,431
1948	11,212,543	589,311	2,613,638	2,311	2,511	805	....	14,421,117
1947	9,438,545	831,239	2,498,488	2,174	540	474	....	12,771,460
1946	9,286,679	1,029,965	2,354,449	2,284	....	....	....	12,673,377
1945	9,998,171	1,019,157	2,062,738	1,987	....	....	....	13,082,053
1944	9,024,298	679,860	2,010,175	1,859	....	....	....	11,716,192
1943	5,403,738	306,546	1,568,260	1,941	....	....	....	7,280,485
1942	4,639,939	184,575	769,772	1,581	....	....	....	5,595,867
1941	4,330,537	213,070	991,000	2,508	....	....	....	5,537,115
1940	3,833,136	211,735	1,086,389	2,868	....	....	2,382	5,136,510
1939	3,799,618	237,515	1,317,461	3,469	....	....	4,207	5,362,270
1938	4,427,818	256,810	1,963,926	2,645	....	....	4,197	6,655,396
1937	4,746,745	258,988	2,783,500	896	....	....	3,890	7,794,019
1936	5,094,650	236,275	3,773,634	2,590	....	....	4,325	9,111,484
1935	5,894,316	183,037	3,827,919	5,353	....	....	4,577	9,915,202
1934	7,378,071	159,495	3,201,361	5,826	....	....	7,225	10,751,978
1933	4,906,879	266,979	3,900,221	5,777	....	....	13,717	9,093,573
Cumulative to January 1, 1933.	3,721,546	388,445	20,046,476	2,703	....	....	260,163	24,419,333

Authority: State Lands Commission, State of California.

TIDELAND OIL FIELDS IN THE STATE OF CALIFORNIA

Discovery date	Huntington Beach ² September 14, 1926	Rincon December 24, 1927	Elwood July 26, 1928	Capitan ³ January 23, 1931	Seal Beach June 14, 1947	Coal Oil Point September 1, 1947	Summer- land 1894	Total
Cumulative production to January 1, 1949:								
Onshore, barrels	53,236,468	16,404,272	26,129,823	2,113,888		1,279	2,878,297	100,762,748
Offshore, barrels	107,137,229	7,053,002	56,769,415	48,772	3,051		304,683	171,317,431
Total barrels	160,373,697	23,457,274	82,899,238	2,162,660	3,051	1,279	3,182,980	272,080,179
Estimated production onshore prior to any state revenue from offshore, barrels....	17,500,000	1,031,000	8,682,000	7,000	0	0	2,332,289	29,552,289
Number of producing wells, December 1948:								
Onshore	371	64	11	16	0	0	1	463
Offshore	268	40	66	1	1	0	0	376
Total	639	104	77	17	1	0	1	839

² New area.

³ Sespe zone.

Authority State Lands Commission, State of California

U. S. CRUDE-OIL STOCKS, BY YEARS

(Barrels of 42 U. S. Gallons)

Year	January 1 Stocks	December 31 Stocks	Year's High		Year's Low	
			Date	Stocks	Date	Stocks
1949 ...	256,627,000	253,356,000	June 30	274,691,000	Oct 31	250,809,000
1948 ...	230,654,000 ⁴	256,627,000	Dec 31	256,627,000	Jan. 31	229,842,000
1947 ...	224,473,000	224,929,000	May 31	237,768,000	Jan. 31	223,848,000
1946 ...	218,763,000	224,473,000	Feb 28	227,220,000	Jan. 1	218,763,000
1945 ...	220,663,000 ³	218,763,000	Apr. 30	224,229,000	Aug. 31	215,135,000
1944 ...	242,132,000 ³	220,862,000	Jan. 1	242,132,000	Dec. 31	220,862,000
1943 ...	234,889,000	243,506,000	May 31	244,415,000	Jan. 1	234,889,000
1942 ...	247,499,000	234,889,000	Mar. 31	262,392,000	Nov. 30	234,635,000
1941	264,709,000	247,499,000	Mar. 31	267,005,000	Nov. 30	244,299,000
1940.	239,978,000	264,709,000	Jan. 1	239,978,000	Aug. 31	264,913,000
1939 ...	274,165,000 ³	239,978,000	Apr 30	279,142,000	Oct. 31	231,852,000
1938 ..	305,833,000 ³	274,958,000	Mar. 31	310,125,000	Nov. 30	273,770,000
1937 ..	288,579,000	306,826,000	Aug. 31	310,923,000	Jan. 31	286,759,000
1936	314,855,000	288,579,000	Apr. 30	315,626,000	Dec. 31	288,579,000
1935 ...	337,254,000	314,855,000	Apr. 30	339,823,000	Dec. 31	314,855,000
1934	354,223,000 ¹	337,254,000	June 30	357,451,000	Dec. 31	337,254,000
1933 ...	339,875,000 ²	355,312,000	Aug. 31	359,945,000	Feb. 28	337,107,000
1932 ..	370,194,000 ²	339,715,000	Mar. 31	371,050,000	Dec. 31	339,715,000
1931	411,882,000 ³	370,919,000	Jan. 1	411,882,000	Oct. 31	367,171,000
1930 ...	428,445,000	408,809,000	Feb. 28	431,357,000	Dec. 31	408,809,000
1929 ...	392,629,000 ³	428,445,000	Oct. 31	433,501,000	Jan. 1	392,629,000
1928	379,660,000	391,869,000	May 31	398,602,000	Jan. 1	379,660,000
1927 ...	315,029,000	379,660,000	Dec. 31	379,660,000	Jan. 1	315,029,000
1926 ...	345,863,000 ²	315,029,000	Jan. 1	345,863,000	Nov. 30	313,244,000
1925 ..	360,475,000 ³	343,820,000	May 31	364,594,000	Dec. 31	343,820,000
1924 ...	340,637,000 ²	361,655,000	Sept. 30	373,747,000	Jan. 1	340,637,000
1923 ...	295,708,000 ³	376,615,000	Dec. 31	376,615,000	Jan. 1	295,708,000
1922 ..	217,324,000	306,811,000	Dec. 31	306,811,000	Jan. 1	217,324,000
1921	149,448,000	217,324,000	Dec. 31	217,324,000	Jan. 1	149,448,000

² Prior to Jan. 1, 1924, stocks included non-refinable heavy crude in California; subsequently these stocks were removed from crude-storage data by transfer to residual fuel-oil stocks.

³ These Jan. 1 stock figures are revisions of previous Dec. 31 data so as to account for transfers and other previously unrecorded stock changes. Figures at beginning and end of each year are comparable.

⁴ Includes all stocks of crude oil in the United States. Beginning with Jan. 1, 1948, the heavy crude inventories in California, previously classified as part of the inventories of heavy fuel oil, have been reclassified and transferred to crude, and are included in these tabulations as crude oil.

Authority. Bureau of Mines.

1949 Crude-Oil Production 57 Per Cent Above 1935-1939 Average

INDEX NUMBERS OF U. S. MINERAL PRODUCTION

(Average 1935-1939 = 100)

Year	Crude Oil	All Minerals	Anthra- cite Coal	Bitu- minous Coal	Iron Ore	Lead	Silver	Zinc
1949 ¹	157	135	84	107	184	(²)	60	(²)
1948	172	155	112	147	219	(²)	63	(²)
1947	159	149	112	155	202	(²)	63	(²)
1946	148	134	119	133	155	(²)	37	(²)
1945	146	137	107	144	192	100	52	101
1944	143	140	126	156	207	105	67	126
1943	128	132	118	147	222	118	77	131
1942	118	129	117	145	229	126	96	135
1941	120	125	110	129	197	118	120	130
1940	116	117	101	116	158	116	117	118
1939	108	106	101	99	112	106	101	103
1938	104	97	90	88	48	94	103	92
1937	109	112	101	112	156	120	121	111
1936	94	99	107	110	112	95	108	102
1935	85	86	102	94	71	84	67	92
1934	78	80	112	90	56	75	46	78
1933	77	76	97	84	54	71	37	68
1932	67	67	98	78	9	74	43	51
1931	73	80	117	96	59	104	55	73
1930	77	93	136	118	116	145	88	106
1929	86	107	144	135	163	169	105	128
1928	77	99	147	126	135	164	98	123
1927	77	100	157	130	128	170	103	127
1926	66	100	165	144	146	174	106	137
1925	65	92	121	131	135	176	107	126
1924	61	89	172	122	107	153	112	113
1923	63	98	183	142	148	141	115	108
1922	47	71	108	106	(²)	(²)	98	76
1921	40	66	178	104	(²)	(²)	95	44
1920	38	83	174	141	(²)	(²)	(²)	98
1919	32	71	172	116	(²)	(²)	(²)	(²)

¹ Preliminary

² Not available

Authority Federal Reserve Board

VALUE² OF MINERAL PRODUCTION IN LEADING U. S. OIL STATES, 1947-1948

(Thousands of Dollars)

State	All Minerals				Petroleum Minerals						Petroleum of All Minerals	
	Crude Oil		Natural Gas		Natural Gasoline		Total Petroleum		Minerals			
	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947		
Arkansas	123,138	92,289	82,269	54,500	2,422	1,818	7,259	4,939	87,950	61,257	71.42	66.38
California	1,174,674	859,039	723,696	572,990	64,803	57,284	86,539	54,203	975,038	684,477	83.00	79.68
Colorado	129,326	104,828	43,481	29,680	59	660	68	44	44,114	30,408	34.11	29.01
Illinois	523,422	436,770	178,486	139,560	1,735	1,565	13,469	9,051	193,690	150,176	37.00	34.38
Indiana	166,803	143,298	18,647	12,800	54	80	..	..	18,701	12,880	11.21	8.99
Kansas	363,362	267,046	287,833	202,900	12,235	10,598	7,782	4,805	307,850	218,303	84.72	81.75
Kentucky	506,249	428,507	23,703	19,830	12,897	14,430	2,636	1,960	39,236	36,220	7.75	8.45
Louisiana	593,403	405,576	474,848	321,130	26,482	21,221	57,218	33,867	558,548	376,218	94.13	92.76
Michigan	205,954	169,597	47,860	34,540	2,195	2,386	241	265	50,296	37,191	24.42	21.93
Mississippi	119,635	68,986	109,025	61,470	3,336	1,989	2,609	1,074	114,970	64,533	96.10	93.55
Montana	103,125	88,231	24,238	16,960	1,696	1,560	720	424	26,654	18,944	25.85	21.47
Nebraska	9,432	7,405	578	420	5,258	2,526	1,046	6,729	578	420	6.13	5.67
New Mexico	221,022	157,652	117,500	72,440	1,040	1,118	..	..	133,804	81,695	60.54	51.82
New York	156,140	130,667	22,975	20,050	1,040	1,118	..	..	24,016	21,169	15.38	16.20
Ohio	328,228	291,960	13,733	10,440	12,901	13,548	647	504	27,281	24,492	8.31	8.39
Oklahoma	503,654	355,750	397,865	270,760	23,356	16,509	36,411	24,390	457,632	311,659	90.86	87.61
Pennsylvania	1,407,347	1,269,762	63,487	53,170	21,124	21,816	1,171	882	85,752	75,868	6.09	5.97
Texas	2,809,071	1,954,351	2,326,209	1,597,630	103,505	73,331	220,739	142,021	2,650,453	1,812,982	94.35	92.77
West Virginia	1,008,299	862,980	12,795	10,210	34,035	29,643	9,686	6,314	56,516	46,167	5.61	5.35
Wyoming	172,818	117,594	128,962	75,220	3,119	2,273	5,286	3,450	137,367	80,943	79.49	68.83
Total, 20 states...	10,625,102	8,212,288	5,194,160	3,576,700	332,732	274,355	463,554	294,947	5,990,446	4,146,002	56.38	50.49
Other states ³	1,819,026	1,621,510	1,874	1,190	441	354	64	47	2,379	1,591	00.13	00.10
U. S. total	12,444,128	9,833,798	5,196,034	3,577,890	333,173	274,709	463,618	294,994	5,992,825	4,147,593	48.16	42.18

² Apparent discrepancy between totals in this table and those in the table entitled "Value of mineral production, by years," results from the fact that here value is at the mine or well; whereas in the aforementioned table the total, in some instances, includes value at the smelter or refinery.

Authority Bureau of Mines

1949 Value of U. S. Petroleum Production 46 Per Cent of Value of All Minerals

VALUE² OF U. S. MINERAL PRODUCTION, BY YEARS

(Thousands of Dollars)

Year	All Minerals	Non-metallic Minerals ³	Crude Oil and Products ¹			Total	Crude Oil, Natural Gas, and Natural Gasoline as a Per Cent of Total
			Crude Oil	Natural Gas ⁴	Natural Gasoline ⁵		
1949 ¹	13,900,000	10,900,000	4,688,840	1,385,000	387,000	6,460,840	46.48
1948.....	15,670,000	12,160,000	5,196,034	1,197,550	463,618	6,857,202	43.76
1947.....	12,484,000	9,575,000	3,577,890	1,032,200	294,994	4,905,084	39.29
1946.....	8,896,000	7,071,000	2,442,550	885,878	182,281	3,510,709	39.46
1945.....	8,141,000	6,166,000	2,094,250	837,852	187,564	3,119,666	38.32
1944.....	8,417,000	6,077,000	2,032,960	797,255	182,500	3,012,715	35.79
1943.....	8,071,800	5,583,800	1,809,020	760,950	146,910	2,716,880	33.66
1942.....	7,576,300	5,212,400	1,643,470	692,737	121,565	2,457,772	32.44
1941.....	6,878,000	4,746,000	1,602,000	621,333	119,120	2,342,453	34.06
1940.....	5,613,900	3,935,300	1,385,440	577,939	68,261	2,031,640	36.19
1939.....	4,914,200	3,622,500	1,294,470	534,240	90,050	1,918,760	39.05
1938.....	4,363,200	3,470,600	1,373,060	500,698	87,266	1,961,024	44.94
1937.....	5,413,400	3,945,200	1,513,340	528,354	97,125	2,138,819	39.51
1936.....	4,556,800	3,475,200	1,199,820	476,813	84,572	1,761,205	38.65
1935.....	3,650,000	2,916,870	961,440	429,374	70,940	1,461,754	40.05
1934.....	3,325,400	2,776,466	904,825	395,378	60,523	1,360,726	40.92
Total, 1880-1949	249,039,789	180,085,762	50,787,324	16,861,984	3,963,989	71,623,297	28.76

¹ Preliminary.

² Apparent discrepancy between totals in this table and those in table entitled "Value of mineral production in leading U. S. oil states" results from the fact that here the total in some instances includes values at the smelter and refinery; whereas in the aforementioned table the total represents value at the mine or well.

³ Crude oil, natural gas, and natural gasoline are included in the value of non-metallic minerals.

⁴ Value at point of consumption.

⁵ Includes liquefied petroleum gas, condensate, kerosene, distillate, "special" naphtha, toluene, etc.

Authority Bureau of Mines.

Value of Crude-Oil Production Double That of 1946

VALUE, AT THE WELL, OF CRUDE OIL PRODUCED, 1900-1948

(Thousands of Dollars)

Year	Arkansas	California	Colorado	Illinois	Indiana	Kansas	Kentucky	Louisiana	Michigan	Montana	New Mexico
1948	78,570	822,980	45,730	179,520	19,320	288,360	24,380	485,950	48,250	24,210	117,520
1947	54,500	572,990	29,680	139,560	12,800	202,900	19,830	321,130	34,540	16,960	72,440
1946	37,750	387,100	15,650	119,720	10,880	136,050	17,030	207,710	27,660	12,710	44,540
1945	30,720	347,330	5,780	105,130	6,880	119,520	15,260	151,260	25,010	10,810	37,610
1944	30,890	330,800	3,530	107,370	7,080	120,290	13,640	158,600	26,410	10,700	39,600
1943	27,320	298,400	2,620	112,700	7,130	127,410	10,800	150,510	29,280	9,500	38,900
1942	26,300	255,800	2,440	144,800	9,100	117,100	6,150	137,800	30,300	8,950	31,550
1941	24,500	239,500	2,300	172,100	9,400	95,700	5,200	132,100	21,900	8,000	37,200
1940	21,700	216,720	1,480	156,500	5,200	63,700	5,400	107,500	20,150	6,660	32,500
1939	16,790	229,000	1,330	101,200	1,675	63,100	5,900	98,000	21,350	5,860	30,850
1938	16,900	257,250	1,540	30,100	1,260	72,100	7,570	110,100	19,300	5,190	33,250
1937	11,400	242,100	1,800	9,970	1,140	88,100	7,680	110,300	21,950	7,300	36,600
1936	8,160	218,600	1,600	5,390	1,010	65,900	7,240	85,600	15,950	7,700	22,930
1935	7,830	170,600	1,420	4,810	880	56,750	6,000	49,820	16,350	6,150	16,060
1934	8,000	160,760	1,060	4,990	960	47,850	5,640	31,850	10,820	4,380	12,700
1933	4,850	143,300	540	3,690	650	27,700	3,780	15,280	7,150	2,220	6,490
1932	7,690	116,600	820	4,720	828	31,720	5,906	18,550	5,260	2,560	7,650
1931	11,600	135,960	825	4,500	750	25,500	5,295	14,220	2,840	2,730	6,490
1930	17,390	237,690	1,480	9,100	1,610	54,880	11,080	26,110	5,160	5,420	9,180
1929	21,890	321,367	2,380	10,430	1,610	62,510	13,220	25,700	6,140	7,260	2,170
1928	27,450	230,000	2,750	9,980	1,580	52,500	11,850	25,850	920	6,400	1,280
1927	42,400	260,735	3,400	11,700	1,390	58,300	11,220	29,740	832	7,090	1,680
1926	64,800	345,547	5,100	17,200	1,770	93,800	15,250	38,200	253	10,170	3,270
1925	63,680	330,610	1,810	15,235	1,615	74,410	15,682	32,500	10	6,420	1,815
1924	43,130	274,653	490	14,220	1,720	44,400	14,592	30,340	(n)	3,754	127
1923	25,400	242,731	102	16,250	1,900	45,970	15,900	36,530	.	4,080	(n)
1922	20,416	173,381	114	19,291	2,225	56,131	17,758	53,169	.	4,048	..
1921	12,746	203,138	132	20,632	2,414	68,694	16,736	42,469	..	2,373	..
1920	178,395	39,583	199	39,583	3,407	133,469	34,279	112,606	..	1,045	..
1919	..	142,611	183	29,720	2,284	77,026	24,597	26,803	..	171	..
1918	..	118,771	188	31,230	2,028	100,546	11,287	27,535	..	126	..
1917	..	86,162	128	31,358	1,471	67,121	7,034	17,225	..	146	..
1916	..	53,703	217	29,237	1,207	10,340	2,188	14,670	..	44	..
1915	..	36,558	183	18,656	813	1,703	418	10,804	..	..	..
1914	..	48,066	201	25,426	1,548	2,433	499	12,887	..	..	..
1913	..	45,709	175	30,972	1,279	2,248	676	12,256	..	..	..
1912	..	39,625	200	24,333	886	1,096	425	7,023	..	..	..
1911	..	38,719	228	19,734	1,229	609	325	5,669	..	..	..
1910	..	35,749	243	19,669	1,568	445	325	3,574	..	..	..
1909	..	30,757	318	19,789	1,998	492	518	2,022	..	..	..

VALUE, AT THE WELL, OF CRUDE OIL PRODUCED, 1900-1948—Continued

(Thousands of Dollars)

Year	Arkansas	California	Colorado	Illinois	Indiana	Kansas	Kentucky	Louisiana	Michigan	Montana	New Mexico
1908.	23,434	346	22,650	3,204	747	707	3,326	....	..	....
1907.	14,700	273	16,433	4,537	965	862	4,026	....	..	....
1906.	9,553	263	3,275	6,770	9,615 ¹²	1,032	3,556	..	..	....
1905.	8,201	338	117	9,405	6,546 ¹²	943	1,601	..	..	....
1904.	8,265	578	....	12,236	4,123	985	1,073	..	..	....
1903.	7,399	432	..	10,474	988	486	416	..	..	....
1902.	4,874	485	1	6,527	325	141	....	..	..	....
1901.	4,974	461	1	4,823	162	112	..	..	..	....
1900.	3,863	324	1	4,694	69	23	..	..	..	....

VALUE, AT THE WELL, OF CRUDE OIL PRODUCED, 1900-1948—Continued

(Thousands of Dollars)

Year	New York	Ohio	Oklahoma	Penn- sylvania	Ten- nessee	Texas	West Virginia	Wyoming	Others	United States	Total
1948	22,830	15,190	398,490	62,830	.....	2,357,400	12,810	128,230	112,510 ²	5,245,080	5,245,080
1947	20,050	10,440	270,760	53,170	.....	1,597,630	10,210	75,220	63,080 ³	3,577,890	3,577,890
1946	18,630	7,710	194,100	49,640	.....	1,070,400	9,960	44,430	31,070 ³	2,442,550	2,442,550
1945	17,470	7,240	177,080	46,680	.....	914,410	9,620	36,610	19,850 ³	2,094,250	2,094,250
1944	15,640	6,560	153,250	46,400	.....	902,660	8,910	33,290	17,300 ³	2,032,960	2,032,960
1943	15,230	6,810	148,550	46,960	.....	717,600	8,670	33,570	19,060 ⁴	1,809,020	1,809,020
1942	13,900	6,730	168,800	52,250	.....	564,400	9,040	29,000	27,760 ⁶	1,643,470	1,643,470
1941	13,300	5,730	178,000	42,500	.....	568,000	7,390	25,700	15,660 ⁶	1,602,000	1,602,000
1940	12,500	5,780	162,500	39,700	.....	494,000	6,400	20,600	4,030 ⁶	1,385,440	1,385,440
1939	10,650	3,600	166,300	36,200	.....	478,330	6,000	18,150	185 ⁶	1,294,470	1,294,470
1938	9,550	3,860	209,500	32,760	.....	539,150	5,600	18,000	80 ⁷	1,373,060	1,373,060
1937	14,140	5,820	283,500	49,300	.....	594,500	8,800	18,860	80 ⁷	1,513,340	1,513,340
1936	11,380	6,090	232,100	41,450	.....	449,400	8,200	13,700	60 ⁷	1,199,820	1,199,820
1935	9,080	5,920	189,000	33,840	.....	367,820	7,220	11,730	60 ⁷	961,440	961,440
1934	9,340	6,830	183,700	35,200	.....	361,550	8,600	10,550	45 ⁷	904,825	904,825
1933	5,960	4,540	120,800	23,590	(⁸)	225,000	5,860	6,570	30 ⁷	608,000	608,000
1932	6,630	5,430	137,920	23,400	4	259,700	6,050	10,942	20 ⁷	680,460	680,460
1931	6,800	5,610	119,200	23,550	5	170,950	7,070	11,120	15	550,630	550,630
1930	9,850	11,960	279,250	33,410	26	288,410	11,820	22,350	15	1,070,200	1,070,200
1929	13,170	15,770	364,650	44,800	30	322,520	20,070	24,700	30	1,280,417	1,280,417
1928	8,750	14,470	347,600	32,550	70	236,300	17,150	27,400	30	1,054,880	1,054,880
1927	7,200	19,180	413,900	31,930	90	248,550	17,410	29,830	33	1,172,830	1,172,830
1926	6,270	18,280	348,230	29,310	100	308,700	20,560	51,020	10	1,447,760	1,447,760
1925	5,245	17,165	272,450	27,025	53	262,270	20,055	51,467	38	1,284,960	1,284,960
1924	4,140	17,050	279,700	25,320	18	203,870	20,840	48,600	44	1,022,683	1,022,683
1923	3,144	17,369	258,160	23,834	14	193,580	20,822	48,900	41	978,430	978,430
1922	3,262	21,512	183,185	24,746	17	189,175	22,891	33,955	33	895,111	895,111
1921	5,433	37,338	356,439	44,464	21	162,663	26,482	23,528	12	814,745	814,745
1920	3,500	23,333	184,100	33,688	50	131,781	50,146	50,050	61	1,360,745	1,360,745
1919	3,308	23,465	231,136	29,606	37	157,729	34,890	19,544	50	760,266	760,266
1918	2,850	21,105	181,647	25,154	22	74,868	31,652	18,160	16	703,944	703,944
1917	2,190	16,155	128,464	19,150	28	42,892	27,247	11,048	21	522,635	522,635
1916	1,300	10,062	56,706	12,431	1	25,760	21,914	5,644	14	330,900	330,900
1915	1,761	13,372	57,253	15,774	(⁶)	13,027	14,468	2,217	24	179,463	179,463
1914	2,284	12,086	34,673	12,887	.....	14,942	18,469	1,679	14	214,125	214,125
1913	1,402	9,479	26,452	10,894	.....	14,675	28,829	1,187	19	237,121	237,121
1912	1,415	10,652	11,909	15,425	.....	8,553	19,928	798	...	164,213	164,213
1911	1,878	13,226	17,429	15,425	.....	6,555	12,767	124	8	134,045	134,045
1910	1,878	13,226	17,429	15,425	.....	6,605	15,724	94	5	127,900	127,900
1909	1,878	13,226	17,429	15,425	.....	6,793	17,642	34	8	128,329	128,329

VALUE, AT THE WELL, OF CRUDE OIL PRODUCED, 1900-1948—Continued

(Thousands of Dollars)

Year	New York	Ohio	Oklahoma	Penn- sylvania	Ten- nessee	Texas	West Virginia	Wyoming	Others	United States	Total
1908.....	2,072	14,178	17,695	16,881	..	6,701	16,912	28	22	129,079	
1907.....	2,128	14,797	17,514	17,580	..	10,402	15,852	22	7	120,107	
1906.....	1,995	16,997	(12)	16,597	..	6,566	16,170	49	5	92,445	
1905.....	1,558	17,055	(13)	14,653	..	7,548	16,133	52	3	84,157	
1904.....	1,812	23,731	1,325	18,222	..	8,150	20,584	81	5	101,175	
1903.....	1,849	26,235	142	18,171	..	7,518	20,517	63	5	94,694	
1902.....	1,531	20,757	2	15,266	..	4,186	17,040	44	...	71,179	
1901.....	1,460	20,534	3	15,431	..	1,244	17,173	38	...	66,417	
1900.....	1,760	24,092	6	18,088	..	872	21,923	38	..	75,989	

² Alabama, Florida, Mississippi, Missouri, Nebraska, Tennessee, Utah, and Virginia
³ Alabama, Florida, Mississippi, Missouri, Nebraska, Tennessee, and Virginia.
⁴ Florida, Mississippi, Missouri, Nebraska, Tennessee, and Virginia.
⁵ Mississippi, Missouri, Nebraska, and Tennessee
⁶ Mississippi, Missouri, Nebraska, Tennessee, and Utah
⁷ 1932—Alaska, Missouri, and Utah; 1933—Alaska, Mississippi, Missouri, Tennessee, and Utah
⁸ Included with "others" after 1932.

1936 through 1938—Mississippi, Tennessee, and Utah
⁹ Small production in previous years included with Kentucky
¹⁰ Small production in previous years included with Ohio.
¹¹ Small production in previous years included with "others"
¹² Kansas and Oklahoma not available separately

1939 reflects greater production in Mississippi and Nebraska.
 1934-1935—Mississippi, Missouri, Tennessee, and Utah;

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AVERAGE PRICE OF A BARREL OF CRUDE OIL AT THE WELL, 1900-1948

Year	Arkansas	California	Colorado	Illinois	Indiana		Louisiana				Michigan	Mississippi and Missouri ²	Montana	Nebraska
					North-eastern	South-western	Kansas	Kentucky	North	Gulf Coast				
1948.....	2.48	2.42	2.56	2.77	2.77	2.10	2.60	2.77	2.64	2.69	2.86	2.41	2.58	2.43
1947.....	1.82	1.72	1.89	2.10	2.10	2.10	1.93	2.11	1.99	2.11	2.13	1.76	1.85	1.85
1946.....	1.26	1.23	1.32	1.59	1.59	1.59	1.42	1.61	1.43	1.45	1.62	1.24	1.44	1.35
1945.....	1.07	1.06	1.15	1.40	1.42	1.40	1.24	1.48	1.20	1.24	1.45	1.01	1.28	1.21
1944.....	1.05	1.06	1.15	1.39	1.38	1.38	1.22	1.42	1.21	1.23	1.43	1.02	1.24	1.10
1943.....	0.99	1.05	1.13	1.37	1.35	1.35	1.20	1.37	1.21	1.22	1.41	0.98	1.20	0.90
1942.....	0.99	1.03	1.11	1.36	1.35	1.35	1.20	1.36	1.20	1.19	1.39	0.92	1.11	0.90
1941.....	0.93	1.04	1.07	1.30	1.27	1.27	1.15	1.30	1.13	1.13	1.34	0.91	1.06	0.84
1940.....	0.84	0.97	0.91	1.05	1.04	1.04	1.04	1.04	1.00	1.05	1.02	0.85	0.99	0.80
1939.....	0.79	1.02	0.95	1.07	1.04	0.98	1.04	1.05	1.01	1.06	0.91	0.88	0.98	..
1938.....	0.93	1.03	1.09	1.25	1.04	1.27	1.20	1.30	1.15	1.16	1.03	0.75	1.05	..
1937.....	0.97	1.02	1.12	1.33	1.40	1.34	1.25	1.40	1.19	1.22	1.32	1.05	1.26	..
1936.....	0.78	1.01	1.01	1.20	1.25	1.13	1.13	1.29	1.07	1.06	1.34	0.88	1.31	..
1935.....	0.72	0.82	0.91	1.11	1.25	1.13	1.03	1.14	0.94	1.00	1.04	0.87	1.34	..
1934.....	0.72	0.92	0.93	1.11	1.25	1.14	1.03	1.16	0.93	0.98	1.02	0.88	1.22	..
1933.....	0.42	0.83	0.59	0.87	0.64	0.89	0.66	0.82	0.58	0.63	0.90	..	0.98	..
1932.....	0.64	0.81	0.77	1.01	0.82	1.04	0.91	0.94	0.81	0.90	0.76	..	1.04	..
1931.....	0.49	0.72	0.53	0.89	0.54	0.91	0.69	0.82	0.64	0.67	0.75	..	0.96	..
1930.....	0.88	1.20	0.89	1.59	1.32	1.64	1.32	1.50	1.15	1.07	1.32	..	1.62	..
1929.....	0.88	1.10	1.01	1.65	1.43	1.66	1.46	1.70	1.26	1.23	1.36	..	1.82	..
1928.....	0.86	0.99	0.99	1.54	1.24	1.53	1.36	1.61	1.20	1.16	1.55	..	1.59	..
1927.....	1.06	1.13	1.20	1.67	1.51	1.65	1.42	1.67	1.33	1.21	1.90	..	1.40	..
1926.....	1.11	1.54	1.84	2.22	2.07	2.22	2.26	2.43	1.70	2.39	2.69	..	1.32	..
1925.....	0.89	1.42	1.48	1.94	2.06	1.92	1.94	2.32	1.61	1.57	2.50	..	1.57	..
1924.....	0.94	1.20	1.10	1.76	1.93	1.80	1.54	1.97	1.41	1.63	1.33	..	1.33	..
1923.....	0.69	0.92	1.19	1.87	1.64	1.82	1.63	1.97	1.48	1.36	..	..	1.47	..
1922.....	1.61	1.25	1.18	2.06	2.08	2.04	1.77	1.98	1.52	1.25	..	..	1.65	..
1921.....	1.22	1.81	1.22	2.06	2.14	2.08	1.88	1.86	1.60	1.16	..	..	1.57	..
1920.....	..	..	1.79	3.68	3.59	3.64	3.42	3.19	2.14	2.14	..	..	3.78	..
1919.....	..	1.41	1.51	2.48	2.32	2.33	2.33	2.66	1.62	1.17	..	..	1.90	..
1918.....	..	1.22	1.32	..	2.31	..	(3)	2.58	1.73	1.64	..	..	1.82	..
1917.....	..	0.92	1.06	..	1.94	..	(3)	2.28	1.64	1.11	..	..	1.47	..
1916.....	..	0.59	1.10	..	1.57	..	(3)	1.82	1.03	0.73	..	..	0.98	..
1915.....	..	0.42	0.88	..	0.93	..	(3)	0.96	0.62	0.46	..	..	..	..
1914.....	..	0.48	0.90	..	1.16	..	(3)	0.99	0.95	0.67	..	..	..	..
1913.....	..	0.47	0.93	..	1.34	..	(3)	1.29	1.00	0.90	..	1.78	..	..
1912.....	..	0.45	0.97	..	0.91	..	0.69	0.88	0.76	0.76	..	..	..	..
1911.....	..	0.48	1.01	0.63	0.74	..	0.48	0.70	0.53	0.54	1.00	..	..	..
1910.....	..	0.49	1.02	0.59	0.73	..	0.39	0.69	0.73	1.33	1.36	..	..	..
1909.....	..	0.56	1.02	0.64	0.87	..	0.39	0.81	0.66	0.73	1.36	..	..	..

AVERAGE PRICE OF A BARREL OF CRUDE OIL AT THE WELL, 1900-1948—Continued

Year	Arkansas	California	Colorado	Illinois	Indiana		Kentucky	Louisiana		Michigan	Mississippi and Missouri ²	Montana	Nebraska
					North-eastern	South-western		North	Gulf Coast				
1908.....	0.52	0.91	0.67	0.98	....	0.41	0.60	0.62	1.47	1.47	..	..
1907.....	0.37	0.82	0.68	0.89	....	0.40	0.81	0.81	1.63	1.63	..	..
1906.....	0.29	0.80	0.75	0.88	....	(3)	..	0.39	..	1.40	..	..
1905.....	0.25	0.90	0.64	0.86	....	(3)	..	0.18	1.07	1.07	..	..
1904.....	0.28	1.15	..	1.08	..	(3)	..	0.36	1.85	1.85	..	..
1903.....	0.30	0.89	..	1.14	..	1.06	..	0.45	1.55	1.55	..	..
1902.....	0.35	1.22	5.00	..	0.87	0.88	..	0.34	1.41	1.41	..	..
1901.....	0.57	1.00	5.00	..	0.84	0.86	..	..	0.79	0.79	..	..
1900.....	0.94	1.02	6.00	..	0.96	0.93	..	..	0.75	0.75	..	..

AVERAGE PRICE OF A BARREL OF CRUDE OIL AT THE WELL, 1900-1948—Continued

Year	Ohio		Texas				Utah and Alaska	West Virginia		Wyoming	Average United States
	New York	New Mexico	Central and South- eastern	North- western	Oklah- oma	Penn- sylvania	Tennessee	West Texas	Gulf Coast	Other Texas	
1948.....	4.94	2.45	4.22	4.22	2.58	4.96	..	2.46	2.75	2.62	2.60
1947.....	4.21	1.77	3.36	3.36	1.92	4.19	..	1.80	2.05	1.97	1.93
1946.....	4.21	1.77	2.65	2.65	1.44	3.82	..	1.23	1.51	1.44	1.41
1945.....	3.76	1.01	2.56	2.56	1.27	3.73	..	1.00	1.31	1.25	1.22
1944.....	3.33	1.00	2.23	2.23	1.23	3.29	..	1.00	1.31	1.23	1.21
1943.....	3.01	1.00	2.05	2.05	1.19	2.98	..	0.99	1.31	1.21	1.20
1942.....	2.95	1.00	1.90	1.90	1.13	2.94	..	0.99	1.30	1.16	1.19
1941.....	2.57	0.94	1.64	1.64	1.13	2.54	..	0.97	1.24	1.12	1.14
1940.....	2.32	0.83	1.30	1.30	1.04	2.29	..	0.80	1.10	1.02	1.02
1939.....	2.09	0.82	1.19	0.91	1.04	2.08	1.10	0.81	1.08	1.00	1.02
1938.....	1.89	0.93	1.21	0.99	1.20	1.88	1.20	0.90	1.19	1.17	1.13
1937.....	2.58	0.94	1.73	1.21	1.24	2.57	1.00	0.95	1.22	1.20	0.98
1936.....	2.44	0.84	1.67	1.23	1.12	2.43	1.00	0.84	1.13	1.07	1.09
1935.....	2.14	0.78	1.53	1.16	1.02	2.14	1.00	0.76	1.00	0.96	0.97
1934.....	2.46	0.75	1.70	1.31	1.02	2.43	..	0.76	1.01	0.92	0.84
1933.....	1.87	0.46	1.09	1.02	0.66	1.87	..	0.43	0.66	0.56	0.67
1932.....	1.89	0.61	1.18	1.13	0.90	1.89	0.80	0.65	0.81	0.89	0.87
1931.....	2.02	0.43	1.09	0.91	0.66	1.98	1.24	0.47	0.66	0.50	0.65
1930.....	2.70	0.90	1.94	1.48	1.29	2.61	1.58	0.80	1.04	1.14	1.19
1929.....	3.90	1.19	2.51	1.73	1.43	3.79	..	0.83	1.21	1.33	1.27
1928.....	3.36	1.36	2.20	1.59	1.39	3.27	1.52	0.65	1.19	1.15	1.17
1927.....	3.17	1.37	2.02	1.43	1.30	3.06	1.50	..	1.30	1.10	1.30
1926.....	3.68	1.96	2.74	2.34	2.31	3.56	2.33	..	1.50	1.96	1.88
1925.....	3.70	1.71	2.67	2.17	1.97	3.62	2.21	..	1.62	1.86	1.76
1924.....	3.64	1.30	2.74	2.00	1.57	3.61	1.80	..	1.56	1.51	1.43
1923.....	3.31	..	2.57	2.02	1.74	3.33	1.75	..	1.39	1.50	1.34
1922.....	3.14	..	2.70	2.25	1.73	3.21	1.76	..	1.19	1.77	1.61
1921.....	3.32	..	3.21	2.28	1.60	3.33	1.75	..	1.19	1.70	1.73
1920.....	5.98	..	5.62	3.65	3.35	5.97	3.57	..	2.74	3.35	2.98
1919.....	4.13	..	3.28	2.46	2.12	4.15	2.47	..	1.20	2.38	2.10
1918.....	4.09	..	3.65	2.31	2.23	4.00	(*)	..	1.70	2.22	1.98
1917.....	3.24	..	3.20	1.94	1.73	3.25	..	..	1.07	1.83	1.56
1916.....	2.51	..	2.44	1.57	1.20	2.52	..	..	0.76	1.27	1.10
1915.....	1.57	..	1.53	0.97	0.58	1.59	..	..	..	0.62	0.64
1914.....	1.88	..	1.86	1.19	0.78	1.91	..	..	0.68	0.82	0.81
1913.....	2.41	..	2.46	1.39	0.94	2.49	..	..	0.95	0.99	0.95
1912.....	1.60	..	1.63	0.99	0.67	1.64	..	..	0.73	0.75	0.74
1911.....	1.31	..	1.31	0.86	0.47	1.32	..	..	0.73	0.69	0.61
1910.....	1.34	..	1.34	0.82	0.38	1.35	..	..	0.77	0.74	0.61
1909.....	1.66	..	1.65	0.92	0.36	1.66	..	..	0.72	0.71	0.70

AVERAGE PRICE OF A BARREL OF CRUDE OIL AT THE WELL, 1900-1948—Continued

Year	Ohio			Texas					Utah and Alaska	West Virginia	Wyoming	Average United States
	New Mexico	New York	Central and South- eastern	North- western	Okla- homa	Penn- sylvania	Tennessee	West Texas				
1908.....	1.78	1.78	1.10	0.39	1.79	....	....	1.57	1.78	1.57	0.72
1907.....	1.76	1.76	0.91	0.40	1.76	....	....	2.34	1.74	2.34	0.72
1906.....	1.61	1.61	0.93	0.44	1.61	....	....	....	1.61	7.00	0.73
1905.....	1.40	1.40	0.89	0.55	1.40	....	....	....	1.39	6.10	0.62
1904.....	1.63	1.63	1.10	0.97	1.64	....	....	....	1.63	7.00	0.86
1903.....	1.59	1.59	1.17	1.03	1.60	..	....	..	1.59	7.00	0.94
1902.....	1.37	1.26	0.90	2.12	1.27	..	....	....	1.26	7.00	0.80
1901.....	1.21	1.21	0.86	0.79	1.22	....	....	....	1.21	7.00	0.96
1900.....	1.35	1.35	0.99	0.75	1.36	....	....	....	1.35	7.00	1.19

² Mississippi and Missouri through 1939, Mississippi only from 1940.

³ Included with Oklahoma.

⁴ Tennessee prices for this and previous years included with Kentucky.

Authority Bureau of Mines; U S Geological Survey

Ultimate Recovery of Petroleum Boosted by Natural-Gas Repressuring

U. S. GROSS PRODUCTION OF NATURAL GAS, BY YEARS

(Millions of Cubic Feet)

Year	Production ²			Marketed Production ³	Used for Repressuring	Stored in Ground	Losses ⁴
	From Gas Wells	From Oil Wells	Total				
1948	4,588,547	2,590,230	7,178,777	5,148,020	1,220,579	....	810,178
1947	3,769,768	2,963,462	6,733,230	4,582,173	1,083,119	....	1,067,938
1946	3,807,500	2,382,700	6,190,200	4,030,605	1,038,242	19,320	1,102,033
1945	3,887,727	2,014,453	5,902,180	3,918,686	1,061,951	25,335	896,208
1944	3,649,830	1,964,390	5,614,220	3,711,039	882,979	9,917	1,010,285
1943	3,226,780	1,933,780	5,160,560	3,414,689	824,803	18,953	902,115
1942	2,885,090	1,568,810	4,453,900	3,053,475	752,619	21,024	626,782
1941	2,490,590	1,612,910	4,103,500	2,812,658	644,379	16,251	630,212
1940	2,095,180	1,598,920	3,694,100	2,660,222	362,916	14,995	655,967
1939	1,832,820	1,500,680	3,333,500	2,476,756	171,401	8,032	677,311
1938	1,566,975	1,481,225	3,048,200	2,295,562	101,551	14,891	649,106
1937	1,612,580	1,419,830	3,032,410	2,407,620	84,925	13,706	526,159
1936	1,483,595	1,161,240	2,644,835	2,167,802	73,507	10,998	392,528
1935	1,493,005	1,005,000	2,498,005	1,916,595	90,290	11,294	479,826

² Marketed production plus quantities used in repressuring, stored in ground, lost, and wasted [see footnote (4)].

³ Marketed production by state of production. Includes exports, excludes imports; hence figures differ somewhat from marketed production by state of consumption, for which see table "U. S. natural-gas consumption." On new basis after 1947; includes gas stored and lost in transmission.

⁴ Losses include residue gas blown to the air and shrinkage at natural-gasoline plants, and transportation losses; losses on producing properties not included except when the data are available.

Authority: Bureau of Mines.

Marketed Production of Natural Gas Shows Steady Rise

U. S. GROSS PRODUCTION OF NATURAL GAS, BY STATES 1940-1948

(Millions of Cubic Feet)

State	Production ²			Utilization			
	From Gas Wells	From Oil Wells	Total	Marketed Pro- duction ³	Re- pressuring	Stored in Ground	Losses ⁴
1948 ¹							
Arkansas	40,300	33,410	73,710	53,946	11,000	.	8,764
California	235,000	513,700	748,700	570,954	167,560	.	10,186
Colorado	6,500	5,000	11,500	8,967	371	.	2,162
Illinois	200	39,800	40,000	14,062	4,380	.	21,558
Indiana	400	1,300	1,700	553	1,135	.	12
Kansas	177,360	100,640	278,000	245,189	2,913	.	29,898
Kentucky	64,830	9,500	74,330	70,095	1,233	.	3,002
Louisiana	554,610	418,390	973,000	686,061	201,707	.	85,232
Michigan	17,290	6,760	24,050	14,981	2,886	.	6,183
Mississippi	55,000	41,000	96,000	59,899	30,610	.	5,491
Missouri	27	.	27	27	....	.	....
Montana	34,710	4,000	38,710	36,551	412	.	1,747
New Mexico	45,310	193,420	238,730	194,749	2,146	.	41,835
New York	4,600	200	4,800	4,705	93	.	2
Ohio	66,650	2,000	68,650	65,619	3,023	.	8
Oklahoma	411,340	262,980	674,320	480,573	20,784	.	172,963
Pennsylvania	83,670	4,000	87,670	87,578	87	.	5
Texas	2,530,000	920,000	3,450,000	2,289,923	757,146	.	402,931
West Virginia	200,500	7,500	208,000	203,681	2,084	.	2,235
Wyoming	52,850	26,430	79,280	52,424	11,009	.	15,847
Other states ⁵	7,400	200	7,600	7,483	..	..	117
U. S. total...	4,588,547	2,590,230	7,178,777	5,148,020	1,220,579		810,178
1947							
Arkansas	34,000	40,000	74,000	50,630	11,890	.	11,480
California	209,700	494,600	704,300	560,510	135,363	.	8,427
Colorado	5,400	5,900	11,300	8,392	300	.	2,608
Illinois	400	48,000	48,400	17,023	5,200	...	26,177
Indiana	630	1,460	2,090	877	1,200	..	13
Kansas	151,000	92,500	243,500	209,321	1,814	...	32,365
Kentucky	87,860	10,150	98,010	96,459	1,491	.	60
Louisiana	466,100	386,500	852,600	581,398	164,934	.	106,268
Michigan	14,000	24,300	38,300	18,812	133	..	19,355
Mississippi	27,840	38,140	65,980	40,037	10,813	....	15,130
Missouri	38	....	38	38	....	..	....
Montana	31,560	3,440	35,000	34,282	270	.	448
New Mexico	27,590	208,570	236,160	142,740	3,741	.	89,679
New York	4,480	250	4,730	4,600	130	..	....
Ohio	68,860	4,000	72,860	68,946	3,914	..	....
Oklahoma	282,060	367,620	649,680	419,010	16,500	.	214,170
Pennsylvania	87,070	5,000	92,070	91,971	67	..	32
Texas	2,038,000	1,204,000	3,242,000	1,992,704	710,302	.	538,994
West Virginia	190,310	7,500	197,810	192,233	3,579	..	1,998
Wyoming	36,240	21,500	57,740	45,550	11,478	....	712
Other states ⁵	6,630	32	6,662	6,640	..	..	22
U. S. total...	3,769,768	2,963,462	6,733,230	4,582,173	1,083,119		1,067,938
1946							
Arkansas	34,000	38,000	72,000	45,177	11,010	1,189	14,624
California	189,000	465,000	654,000	487,904	134,668	4,442	26,986
Colorado	6,900	3,210	10,110	6,728	500	.	2,882
Illinois	400	59,600	60,000	17,166	8,000	451	34,383
Indiana	600	1,420	2,020	1,094	622	278 ⁶	358
Kansas	128,000	81,910	209,910	165,725	1,918	— 339 ⁶	48,677
Kentucky	71,000	9,000	80,000	70,396	829	447 ⁶	6,173
Louisiana	602,000	167,000	769,000	525,178	151,369	..	92,453
Michigan	23,800	3,300	27,100	20,879	..	— 1,363	7,584
Mississippi	1,900	20,800	22,700	7,225	1,482	.	13,993
Missouri	43	....	43	40	....	....	3
Montana	30,500	2,600	33,100	30,713	132	435	1,820
New Mexico	27,200	162,100	189,300	119,262	2,595	1,334	66,109
New York	6,280	250	6,530	5,084	..	1,513 ⁶	495
Ohio	57,600	3,700	61,300	61,570	10	3,963 ⁶	5,015
Oklahoma	240,200	349,800	590,000	380,938	15,591	2,784 ⁶	185,197
Pennsylvania	88,900	4,300	93,200	92,443	64	2,480 ⁶	3,306
Texas	2,074,900	980,000	3,054,900	1,776,148	696,000	— 425 ⁶	571,529
West Virginia	193,500	7,000	200,500	178,958	1,605	2,127 ⁶	15,757
Wyoming	26,000	23,700	49,700	33,266	11,847	4	4,583
Other states ⁵	4,777	10	4,787	4,711	....	....	76
U. S. total.....	3,807,500	2,382,700	6,190,200	4,030,605	1,038,242	19,320	1,102,033

U. S. GROSS PRODUCTION OF NATURAL GAS, BY STATES 1940-1948—Continued

(Millions of Cubic Feet)

State	1945	Production ²			Utilization		
		From Gas Wells	From Oil Wells	Total	Marketed Production ³	Re-pressuring	Stored in Ground ⁴ Losses ⁴
Arkansas	39,000	37,000	76,000	46,600	11,400	250	17,750
California	188,000	446,000	634,000	502,442	102,724	144	28,690
Colorado	4,200	1,800	6,000	4,914			1,086
Illinois	500	49,500	50,000	16,683	7,417	415	25,505
Indiana	1,100	1,400	2,500	1,543	564	345	427
Kansas	107,000	46,000	153,000	145,959	2,032	791	11,718
Kentucky	83,000	11,000	94,000	81,714	701	286	8,325
Louisiana	618,000	180,000	798,000	542,789	131,812		123,399
Michigan	18,000	7,000	25,000	21,874		201	3,327
Mississippi	1,900	6,750	8,650	4,587			4,063
Missouri	77	23	100	90			10
Montana	30,300	2,200	32,500	31,829			671
New Mexico	33,000	107,000	140,000	105,023	7,621	673	26,683
New York	10,150	250	10,400	9,210		595	589
Ohio	51,500	3,500	55,000	49,967	10	4,529	5,923
Oklahoma	249,000	177,000	426,000	357,530	15,973	6,464	40,362
Pennsylvania	85,500	4,500	90,000	82,188	2,233	5,181	4,721
Texas	2,160,000	900,000	3,060,000	1,711,401	767,140		572,430
West Virginia	173,500	8,500	182,000	160,225	924	5,785	15,115
Wyoming	27,000	25,000	52,000	35,282	11,400	78	5,240
Other states ⁵	7,000	30	7,030	6,856			174
U. S. total	3,887,727	2,014,453	5,902,180	3,918,686	1,061,951	25,335	896,208
Arkansas	44,000	38,000	82,000	46,453	10,520	171	24,856
California	187,000	430,000	617,000	502,017	85,000	3,785	26,198
Colorado	5,000	1,000	6,000	5,141	453		406
Illinois	1,000	54,000	55,000	18,137	8,500	382	27,981
Indiana	900	1,200	2,100	1,014	674	145	267
Kansas	118,000	48,000	166,000	157,733	2,206	401	12,417
Kentucky	93,000	10,000	103,000	94,223	700	400	8,228
Louisiana	609,000	191,000	800,000	534,688	116,771		148,541
Michigan	21,000	4,000	25,000	19,653		1,123	4,224
Mississippi	1,000	1,700	2,700	1,352			1,348
Missouri	160	10	170	159			11
Montana	31,300	1,700	33,000	32,102	25		873
New Mexico	30,000	104,000	134,000	87,727	2,860	104	43,309
New York	7,440	260	7,700	7,052	60	2	578
Ohio	53,000	4,000	57,000	51,724	6	3,196	6,533
Oklahoma	218,000	147,000	365,000	310,888	15,919	2,111	32,057
Pennsylvania	85,000	5,000	90,000	92,987	1,436	993	6,676
Texas	1,908,000	889,000	2,797,000	1,525,515	624,000		643,751
West Virginia	194,500	9,500	204,000	181,452	1,607	1,556	18,007
Wyoming	26,000	25,000	51,000	34,521	12,242	262	3,975
Other states ⁵	6,530	20	6,550	6,501			49
U. S. total	3,649,830	1,964,390	5,614,220	3,711,039	882,979	9,917	1,010,285
Arkansas	29,000	30,000	59,000	36,469	8,775	98	13,658
California	155,000	400,000	555,000	457,757	73,275	6,113	17,855
Colorado	6,000	1,000	7,000	6,445	273		282
Illinois	1,300	62,700	64,000	18,120	5,866	905	39,109
Indiana	1,100	1,300	2,400	1,450	499		451
Kansas	98,000	52,000	150,000	133,729	2,099	1,325	13,513
Kentucky	92,000	10,000	102,000	92,364	625		8,971
Louisiana	515,000	185,000	700,000	505,294	91,144	58	103,504
Michigan	21,300	1,700	23,000	18,006		3,226	1,768
Mississippi	1,350	1,450	2,800	1,461			1,339
Missouri	130	10	140	124			16
Montana	30,500	1,500	32,000	31,562	35		403
New Mexico	41,000	125,000	166,000	86,500	3,204		76,296
New York	9,300	100	9,400	8,062		639	1,163
Ohio	58,500	4,500	63,000	52,001	3,495	1,608	7,184
Oklahoma	179,000	163,000	342,000	285,045	14,020	1,113	41,471
Pennsylvania	97,500	5,500	103,000	93,543	1,335	708	7,068
Texas	1,630,000	850,000	2,480,000	1,323,885	600,773	1,327	553,700
West Virginia	232,000	11,000	243,000	223,787	5,428	45	12,374
Wyoming	24,000	28,000	52,000	34,351	13,957	1,788	1,904
Other states ⁵	4,800	20	4,820	4,734			86
U. S. total	3,226,780	1,933,780	5,160,560	3,414,689	824,803	18,953	902,115

U. S. GROSS PRODUCTION OF NATURAL GAS, BY STATES 1940-1948—Continued

State	1942	(Millions of Cubic Feet)			Utilization			
		Production ²			Marketed Pro- duction ³	Re- pressuring	Stored in Ground	Losses ⁴
		From Gas Wells	From Oil Wells	Total				
Arkansas	...	19,000	30,000	49,000	19,456	7,943	489	21,112
California	..	104,900	367,700	472,600	403,968	42,162	6,827	19,643
Colorado	. . .	4,700	400	5,100	4,865	..	..	235
Illinois	..	1,500	85,000	86,500	14,484	2,258	1,038	68,720
Indiana	1,200	2,490	3,690	1,599	219	..	1,872
Kansas	.	77,000	48,000	125,000	112,921	3,749	1,596	7,558
Kentucky	.	78,000	9,700	87,700	80,089	559	..	5,851
Louisiana	.	463,700	205,400	669,100	447,686	79,921	..	141,493
Michigan	.	13,400	4,500	17,900	15,521	..	2,081	298
Mississippi	.	1,500	2,300	3,800	2,082	..	..	1,718
Missouri	.	100	10	110	100	..	..	10
Montana	..	29,900	1,600	31,500	31,475	10	..	15
New Mexico	..	37,900	116,900	154,800	78,164	1,288	..	75,348
New York	..	10,700	100	10,800	8,718	..	1,057	1,792
Ohio	..	49,100	5,400	54,500	45,055	3,324	2,732	5,227
Oklahoma	.	135,600	167,000	302,600	269,704	13,457	25	18,984
Pennsylvania	.	99,400	5,500	104,900	93,532	997	3,054	8,192
Texas	..	1,508,800	482,100	1,990,900	1,170,345	579,237	1,318	239,606
West Virginia	.	219,500	12,000	231,500	215,193	5,005	807	8,216
Wyoming	..	23,800	22,700	46,500	33,124	12,490	..	886
Other states ⁵	5,390	10	5,400	5,394	..	..	6
U. S. total	2,885,090	1,568,810	4,453,900	3,053,475	752,619	21,024	626,782
Arkansas	1941	10,200	34,800	45,000	19,148	781	..	25,071
California	..	36,500	423,500	460,000	374,905	21,000	6,000	58,095
Colorado	3,100	200	3,300	3,256	..	..	44
Illinois	..	900	101,500	102,400	10,053	1,958	539	89,850
Indiana	..	1,400	2,100	3,500	1,522	..	..	1,978
Kansas	..	77,000	46,000	123,000	111,121	2,345	597	8,937
Kentucky	..	71,000	5,200	76,200	69,067	480	440	5,371
Louisiana	..	375,100	199,700	574,800	403,855	56,008	..	114,937
Michigan	..	11,900	3,200	15,100	13,916	741	72	371
Mississippi	..	4,450	590	5,040	4,268	..	..	772
Missouri	..	200	10	210	196	..	..	14
Montana	..	27,000	1,500	28,500	28,499	..	..	1
New Mexico	34,100	98,600	132,700	64,655	557	..	67,488
New York	12,400	100	12,500	10,456	14	340	1,686
Ohio	47,500	3,700	51,200	41,858	3,213	3,166	5,167
Oklahoma	..	99,100	176,300	275,400	234,054	11,420	1,677	28,249
Pennsylvania	..	99,300	5,700	105,000	92,819	921	2,841	9,961
Texas	1,337,000	480,000	1,817,000	1,086,312	527,159	..	203,529
West Virginia	..	212,100	11,200	223,300	207,681	4,772	579	7,358
Wyoming	24,600	19,000	43,600	29,284	13,010	..	1,306
Other states ⁵	5,740	10	5,750	5,733	..	..	17
U. S. total	2,490,590	1,612,910	4,103,500	2,812,658	644,379	16,251	630,212

U. S. GROSS PRODUCTION OF NATURAL GAS, BY STATES 1940-1948—Continued

(Millions of Cubic Feet)

State	Production ²			Utilization			
	From Gas Wells	From Oil Wells	Total	Marketed Production ³	Re-pressuring	Stored in Ground	Losses ⁴
1940							
Arkansas ..	8,500	32,500	41,000	14,379	860	..	25,761
California ..	25,200	404,800	430,000	351,950	12,145	6,287	59,618
Colorado ..	2,500	400	2,900	2,533	..	..	367
Illinois ..	1,100	129,900	131,000	8,359	749	..	121,892
Indiana ..	1,200	2,000	3,200	1,137	..	..	2,063
Kansas	75,000	40,000	115,000	90,003	2,817	1,162	21,916
Kentucky ..	54,000	5,000	59,000	53,056	210	483	4,711
Louisiana ..	285,000	150,000	435,000	343,191	21,000	..	70,809
Michigan ..	10,000	4,000	14,000	12,648	..	..	1,352
Mississippi ..	6,500	300	6,800	6,365	..	..	435
Missouri ..	390	10	400	310	..	..	90
Montana ..	25,900	1,300	27,200	26,231	..	..	969
New Mexico ..	32,000	94,000	126,000	63,990	31	..	61,979
New York ..	15,100	100	15,200	12,187	12	414	2,696
Ohio ..	46,400	3,600	50,000	40,639	3,050	3,706	5,218
Oklahoma ..	90,000	220,000	310,000	257,626	14,463	794	36,744
Pennsylvania ..	96,000	6,000	102,000	90,725	826	1,723	9,212
Texas ..	1,100,000	475,000	1,575,000	1,063,538	294,000	..	216,937
West Virginia ..	193,000	12,000	205,000	188,751	3,583	426	9,572
Wyoming ..	22,000	18,000	40,000	27,346	9,170	..	3,484
Other states ⁵ ..	5,390	10	5,400	5,258	..	..	142
U. S. total.....	2,095,180	1,598,920	3,694,100	2,660,222	362,916	14,995	655,967

¹ Preliminary.

² Marketed production plus quantities used in repressuring, stored in ground, lost, and wasted (see footnote 4).

³ Marketed production by state of production. Because of imports and exports, these figures differ slightly from figures of marketed production by state of consumption elsewhere in this volume. Beginning with 1947, marketed production reported on a new basis; includes gas stored and lost in transmission.

⁴ Includes gas (mostly residue) blown to the air, but does not include direct waste on producing properties except when the data are available.

⁵ Other states include: Florida, North Dakota, South Dakota, Tennessee, Utah, and Virginia for 1943 through 1948; North Dakota, South Dakota, Tennessee, Utah, and Virginia in 1942, North Dakota, South Dakota, Tennessee, Utah, Virginia, and Washington in 1940 and 1941.

⁶ Includes gas transported from other states.

Authority Bureau of Mines

MARKETED PRODUCTION OF NATURAL GAS IN APPALACHIAN AND NORTH CENTRAL AREAS, 1906-1948

(Millions of Cubic Feet)

Year	Appalachian					North Central			
	Kentucky	New York	Ohio	Pennsylvania	West Virginia	Total	Illinois	Indiana	Michigan
1948 ¹	70,095	4,705	65,619	87,578	203,681	431,678	14,062	553	14,981
1947 ²	96,459	4,600	68,946	91,971	192,233	454,209	17,023	877	18,812
1946.....	70,396	5,084	61,570	92,443	178,958	408,451	17,166	1,094	20,879
1945....	81,714	9,210	49,967	82,188	160,225	383,304	16,663	1,543	21,874
1944.....	94,223	7,052	51,724	92,987	181,452	427,438	18,137	1,014	19,653
1943.....	92,364	8,062	52,001	93,543	223,787	469,757	18,120	1,450	18,006
1942.....	80,089	8,718	45,055	93,532	215,193	442,587	14,484	1,599	15,521
1941.....	69,067	10,456	41,858	92,819	207,681	421,881	10,053	1,522	13,916
1940.....	53,056	12,187	40,639	90,725	188,751	385,358	8,359	1,137	12,648
1939.....	47,771	29,222	36,469	93,882	159,226	366,570	2,746	791	10,726
1938.....	46,163	39,402	35,257	76,547	134,342	331,711	1,169	1,299	10,165
1937.....	55,719	21,325	42,783	115,928	149,084	384,839	1,040	1,551	9,080
1936.....	43,903	12,431	46,994	110,362	138,076	351,766	865	2,241	7,167
1935.....	39,738	8,288	49,592	94,464	115,772	307,854	1,448	1,777	4,203
1934.....	33,124	6,278	50,330	86,238	109,161	285,131	1,868	1,802	2,789
1933.....	31,380	6,865	47,929	63,579	100,653	250,406	1,631	1,544	1,528
1932.....	29,005	8,813	51,466	61,611	100,540	251,435	1,769	1,349	968
1931.....	27,870	7,868	56,326	74,797	124,797	291,658	3,130	1,337	472
1930.....	28,023	9,624	63,394	88,706	144,180	333,927	2,890	1,217	2,075
1929.....	27,588	8,387	57,936	101,951	167,333	363,195	2,983	1,012	4,526
1928.....	15,383	7,224	56,341	99,466	163,018	341,432	3,051	1,290	469
1927.....	10,206	5,908	51,381	105,709	162,375	335,579	3,741	1,124	1
1926.....	10,410	7,027	47,363	107,089	180,223	352,112	3,808	901	...
1925.....	10,770	6,210	43,235	101,632	180,345	342,192	4,165	1,168	...
1924.....	12,875	6,196	47,396	105,863	182,285	354,615	4,072	998	1
1923.....	11,953	6,497	53,812	112,562	203,867	388,691	4,049	880	1
1922.....	5,872	6,947	51,481	101,276	195,288	360,864	3,383	947	1
1921.....	4,820	6,583	47,412	86,144	174,921	319,880	2,646	1,066	...
1920.....	3,345	8,419	58,938	125,787	239,719	436,208	3,013	1,779	...
1919.....	2,057	8,124	63,153	113,489	234,095	420,918	3,825	1,407	1
1918.....	3,022	8,461	61,261	123,813	265,161	461,718	4,473	1,667	1
1917.....	2,802	8,372	68,917	133,397	308,617	522,105	4,439	1,712	1
1916.....	2,107	8,036	69,888	130,484	299,319	509,834	3,534	1,715	1
1915.....	1,667	7,977	79,510	113,692	244,004	446,850	2,690	2,261	2
1914.....	1,422	8,935	68,270	110,745	236,489	425,861	3,548	2,580	2
1913.....	1,821	8,515	50,612	118,860	245,454	425,262	4,767	2,921	2
1912.....	1,951	8,626	56,210	112,150	239,007	417,944	5,603	3,618	2
1911.....	1,275	5,240	49,450	108,869	206,891	371,725	6,762	4,365	2
1910.....	1,357	6,010	48,232	126,867	190,706	373,172	6,723	5,760	1
1909.....	2,097	4,696	53,223	127,697	166,435	354,148	8,473	6,159	1
1908.....	1,430	3,843	47,442	130,476	112,181	295,372	4,979	5,256	...
1907.....	1,303	3,288	52,041	135,516	122,687	314,835	1,155	6,624	...
1906.....	789	2,548	45,436	138,161	119,400	306,334	410	7,861	...

¹ Preliminary.

² Beginning with 1947, marketed production on new basis; see footnote 2 of table "U. S. gross production of natural gas, by states."

Authority: Bureau of Mines.

MARKETED PRODUCTION OF NATURAL GAS IN MID CONTINENT, GULF COAST, ROCKY MOUNTAIN, AND CALIFORNIA AREAS, 1906-1948

(Millions of Cubic Feet)

Year	MID CONTINENT					GULF COAST				ROCKY MOUNTAIN				CALI-FORNIA	Total United States
	Arkansas	Mississippi	New Mexico	Total	Kansas	Louisiana	Oklahoma	Texas	Total	Colorado	Montana	Wyoming	Total		
1948 ¹	53,946	59,899	194,749	308,594	245,189	686,061	480,573	2,289,923	3,701,746	8,967	36,551	52,424	97,942	570,954	5,148,020
1947 ²	50,630	49,337	142,740	233,407	209,321	581,398	419,010	1,992,704	3,202,433	8,392	34,282	45,550	88,224	560,510	4,582,173
1946	45,177	7,925	171,664	176,725	165,725	525,178	380,938	1,776,148	2,847,989	6,728	30,713	33,266	70,707	487,904	4,030,605
1945	46,000	4,587	156,210	156,210	145,959	542,789	357,530	1,711,401	2,757,679	4,914	31,829	35,282	72,025	502,442	3,918,686
1944	46,463	1,552	87,727	135,532	157,733	534,688	310,888	1,525,515	2,528,824	5,141	32,102	34,521	71,764	502,017	3,911,039
1943	36,946	1,481	86,500	124,430	133,729	505,294	285,045	1,323,885	2,372,383	6,445	31,562	34,351	72,358	457,757	3,414,689
1942	39,455	2,082	75,164	99,702	112,921	447,686	269,704	1,170,345	2,100,358	4,865	31,475	33,124	69,464	403,968	3,053,475
1941	19,148	4,268	64,855	88,071	111,121	403,685	234,054	1,086,312	1,923,413	3,256	28,499	29,284	61,039	374,905	2,812,658
1940	14,379	6,265	63,590	84,734	90,003	343,191	257,626	1,063,538	1,839,092	2,533	26,231	27,346	56,110	351,950	2,860,222
1939	10,107	14,527	60,284	84,918	80,556	294,370	250,875	979,427	1,690,146	2,015	23,178	26,614	51,807	348,361	2,476,756
1938	11,301	13,656	50,706	75,653	75,203	283,899	263,164	892,473	1,580,402	1,904	21,216	26,678	49,798	315,168	2,295,562
1937	8,690	13,348	46,337	69,375	83,690	315,301	296,260	854,561	1,619,387	3,186	24,765	31,023	58,974	329,769	2,407,620
1936	8,590	11,821	33,928	54,249	69,178	290,151	280,481	734,561	1,428,620	3,687	23,003	29,322	56,012	320,406	2,167,802
1935	6,187	9,643	27,951	43,741	57,125	249,450	274,313	642,366	1,266,995	2,843	19,870	26,643	49,356	284,109	1,916,595
1934	7,024	24,075	39,344	69,344	46,909	225,713	254,457	602,976	1,169,399	2,633	14,971	23,148	40,752	268,122	1,770,721
1933	8,288	8,679	19,148	36,115	41,596	197,826	245,759	475,691	996,987	2,449	14,391	25,830	42,670	259,799	1,555,474
1932	10,235	6,048	17,604	36,487	40,690	201,561	255,487	456,832	991,057	2,547	13,295	26,938	44,780	263,484	1,555,990
1931	13,354	6,048	18,564	38,702	38,742	224,155	263,685	464,580	1,029,864	2,536	10,949	39,770	53,255	305,930	1,686,436
1930	16,585	179	3,054	28,261	37,630	276,341	348,116	517,880	1,210,228	3,712	10,060	43,219	56,591	334,789	1,943,421
1929	19,828	190	3,054	23,072	36,469	261,138	337,893	464,928	1,145,500	2,787	9,659	44,648	57,094	342,314	1,917,693
1928	20,235	....	838	21,073	45,644	227,821	320,861	301,990	917,389	2,931	6,277	47,490	56,698	246,215	1,568,139
1927	30,450	....	1,019	31,469	42,646	186,961	326,864	254,063	842,003	1,725	4,253	43,582	49,560	212,364	1,445,428
1926	34,566	....	921	44,487	38,095	157,423	286,421	175,392	701,818	554	2,283	46,567	49,404	204,915	1,313,019
1925	41,878	....	....	41,878	26,917	152,620	249,285	134,872	605,572	574	1,496	45,539	47,609	187,789	1,188,571
1924	36,616	....	....	36,616	25,580	160,945	214,452	107,247	544,840	48	1,071	46,036	47,155	189,692	1,141,521
1923	24,215	....	....	24,215	30,913	112,031	203,082	74,535	444,776	1	1,470	35,523	36,994	131,434	1,006,976
1922	9,700	....	....	9,700	20,289	70,267	140,631	47,945	288,832	4	486	23,427	23,917	84,580	762,546
1921	4,260	....	....	4,260	15,717	58,004	124,058	44,504	246,543	4	336	15,608	15,942	75,942	662,052
1920	9,027	....	....	9,027	21,158	58,274	154,467	37,063	279,989	9	818	10,312	11,139	66,041	798,210
1919	5,587	....	....	5,587	16,150	47,062	163,649	24,710	257,158	10	858	6,014	6,882	55,607	745,916
1918	5,295	....	....	5,295	27,625	36,094	124,317	13,440	206,971	10	177	4,339	4,526	39,719	721,001
1917	5,610	....	....	5,610	24,439	31,287	137,384	17,047	205,506	....	....	....	334	49,427	795,110
1916	2,388	....	....	2,388	31,710	32,081	123,517	15,810	215,767	....	....	....	213	31,643	753,710
1915	992	....	....	992	27,066	25,540	87,517	13,324	154,419	....	....	....	6	21,891	628,579
1914	....	....	....	....	22,628	26,775	78,167	13,434	141,004	....	....	....	....	17,829	591,867

MARKETED PRODUCTION OF NATURAL GAS IN MID CONTINENT, GULF COAST, ROCKY MOUNTAIN, AND CALIFORNIA AREAS, 1906-1948—Continued

(Millions of Cubic Feet)

Year	MID CONTINENT				GULF COAST			ROCKY MOUNTAIN			CALI- FORNIA	Total United States
	Arkansas	Mississippi	New Mexico	Total	Kansas	Louisiana ³	Oklahoma	Texas ⁴	Total	Colorado	Wyoming	Total
1913	22,884	26,653	75,018	12,160	136,715	.....	.....	.....
1912	28,068	14,493	73,799	7,470	123,830	.....	.....	581,898
1911	38,800	9,786	67,276	5,503	121,365	.....	.....	582,203
1910	59,380	8,110	50,430	.....	117,920	.....	.....	512,993
1909	75,074	4,365	28,037	.....	107,476	.....	.....	509,155
1908	80,740	1,752	11,925	.....	94,417	.....	.....	480,706
1907	76,707	1,288	4,867	.....	82,862	.....	.....	402,141
1906	69,323	1,039	3,520	...	73,882	.....	.....	406,622
											479	388,843
											230	
											153	

¹ Preliminary.

² Beginning with 1947, marketed production on new basis; see footnote 2 of table "U. S. gross production of natural gas, by states," includes Alabama and Texas from 1906 through 1910, and Alabama only from 1911 through 1914.

³ Includes with Louisiana up to 1911.

⁴ Included with Louisiana up to 1911.

⁵ Not available separately prior to 1918.

Authority Bureau of Mines

Mid Continent and Gulf Coast Lead in Marketed Production of Natural Gas

MARKETED PRODUCTION OF NATURAL GAS, BY AREAS, 1906-1948²

Year	Appalachian	North Central	Mid Continent and Gulf Coast	Rocky Mountain	Others East of California	California	Total United States	(As Per Cent of Total United States)							Total United States
								Appalachian	North Central	Mid Continent and Gulf Coast	Rocky Mountain	Others East of California	California		
(Millions of Cubic Feet)															
1948 ¹	431,678	29,596	4,010,340	97,942	7,510	570,954	5,148,020	8.4	0.6	77.9	1.9	0.1	11.1	100.0	
1947 ²	454,209	36,712	3,435,840	88,224	6,678	560,510	4,582,173	9.9	0.8	75.0	1.9	0.2	12.2	100.0	
1946 ³	408,451	39,139	3,019,653	70,707	4,751	487,904	4,030,605	10.1	1.0	74.9	1.8	0.1	12.1	100.0	
1945 ⁴	383,304	40,080	2,913,889	72,025	6,946	502,442	3,918,686	9.8	1.0	74.4	1.8	0.2	12.8	100.0	
1944 ⁵	427,438	38,804	2,664,356	71,764	6,660	502,017	3,711,039	11.5	1.1	71.8	1.9	0.2	13.5	100.0	
1943 ⁶	469,757	37,576	2,372,383	72,358	4,858	457,757	3,414,689	13.8	1.1	69.5	2.1	0.1	13.4	100.0	
1942 ⁷	442,587	31,604	2,100,358	69,464	5,494	403,968	3,053,475	14.5	1.0	68.8	2.3	0.2	13.2	100.0	
1941 ⁸	421,881	25,491	1,923,413	61,039	5,929	374,905	2,812,658	15.0	0.9	68.4	2.2	0.2	13.3	100.0	
1940 ⁹	385,358	22,144	1,839,092	56,110	5,568	351,950	2,680,222	14.5	0.8	69.1	2.2	0.2	13.2	100.0	
1939 ¹⁰	366,570	14,263	1,690,146	51,807	5,609	348,361	2,476,756	14.8	0.6	68.2	2.1	0.2	14.1	100.0	
1938 ¹¹	331,711	12,633	1,580,402	49,798	5,850	315,168	2,295,562	14.5	0.6	68.8	2.2	0.2	13.7	100.0	
1937 ¹²	384,839	11,671	1,619,387	58,974	2,980	329,769	2,407,620	16.0	0.5	67.3	2.4	0.1	13.7	100.0	
1936 ¹³	351,766	10,273	1,428,620	56,012	725	320,406	2,167,802	16.2	0.5	65.9	2.6	..	14.8	100.0	
1935 ¹⁴	307,854	7,428	1,286,995	49,356	853	284,109	1,916,595	16.1	0.4	66.1	2.6	..	15.1	100.0	
1934 ¹⁵	285,131	6,459	1,169,399	40,752	858	268,122	1,770,721	16.1	0.4	66.0	2.3	0.1	15.1	100.0	
1933 ¹⁶	250,406	4,703	996,987	42,670	909	259,799	1,555,474	16.1	0.3	64.1	2.7	0.1	16.7	100.0	
1932 ¹⁷	251,435	4,086	991,057	44,780	1,148	263,484	1,555,990	16.2	0.3	63.6	2.9	0.1	16.9	100.0	
1931 ¹⁸	291,658	3,939	1,029,864	53,255	1,790	305,930	1,686,436	17.3	0.2	61.1	3.2	0.1	18.1	100.0	
1930 ¹⁹	333,927	6,182	1,210,228	56,591	1,704	334,789	1,943,421	17.2	0.3	62.3	2.9	0.1	17.2	100.0	
1929 ²⁰	363,195	8,521	1,145,500	57,094	1,169	342,214	1,917,693	18.4	0.4	59.8	3.0	0.1	17.8	100.0	
1928 ²¹	341,432	4,810	917,389	56,698	1,595	246,215	1,568,139	21.8	0.3	58.5	3.6	0.1	15.7	100.0	
1927 ²²	335,579	4,866	842,003	49,560	1,056	212,364	1,445,428	23.2	0.3	58.3	3.4	0.1	14.7	100.0	
1926 ²³	352,112	4,709	701,818	49,404	61	204,915	1,313,019	26.8	0.4	53.4	3.8	..	15.6	100.0	
1925 ²⁴	342,192	5,333	605,572	47,609	76	187,789	1,188,571	28.8	0.4	50.9	4.1	..	15.8	100.0	
1924 ²⁵	354,615	5,071	544,840	47,155	148	189,692	1,141,521	31.1	0.4	47.7	4.2	..	16.6	100.0	
1923 ²⁶	388,691	4,930	444,776	36,994	151	131,434	1,006,976	38.6	0.5	44.2	3.6	..	13.1	100.0	
1922 ²⁷	360,864	4,331	288,832	23,917	22	84,580	762,546	49.3	0.6	37.9	3.1	..	11.1	100.0	
1921 ²⁸	319,880	3,712	246,543	15,948	27	75,942	662,052	48.3	0.6	37.2	2.4	..	11.5	100.0	
1920 ²⁹	436,208	4,792	279,989	11,139	41	66,041	798,210	54.6	0.6	35.1	1.4	..	8.3	100.0	
1919 ³⁰	420,918	5,233	257,158	6,882	118	55,607	745,916	56.4	0.7	34.5	0.9	..	7.5	100.0	
1918 ³¹	461,718	6,141	206,971	4,526	1,926	39,719	721,001	64.0	0.9	28.7	0.6	0.3	5.5	100.0	
1917 ³²	522,105	6,152	215,767	334	1,325	49,427	795,110	65.7	0.8	27.1	..	0.2	6.2	100.0	
1916 ³³	509,834	5,250	205,506	213	724	31,643	753,170	67.7	0.7	27.3	..	0.1	4.2	100.0	
1915 ³⁴	446,850	4,953	154,419	6	460	21,891	628,579	71.1	0.8	24.6	..	..	3.5	100.0
1914 ³⁵	425,861	6,130	141,004	..	1,043	17,829	591,867	72.0	1.0	23.8	..	0.2	3.0	100.0	

MARKETED PRODUCTION OF NATURAL GAS, BY AREAS, 1906-1948²—Continued

Year	Appalachian	North Central	Mid Continent and Gulf Coast	(Millions of Cubic Feet)				California	Total United States	Appalachian	North Central	Mid Continent and Gulf Coast	Rocky Mountain	Others East of California	Total United States
				(As Per Cent of Total United States)											
				73.1	1.3	23.5	0.2								
1913	425,262	7,690	136,715	11,035	581,898	73.1	1.3	23.5	0.2	1.9	100.0				
1912	417,944	9,223	123,830	9,355	562,203	74.3	1.6	22.0	0.4	1.7	100.0				
1911	371,725	11,759	121,365	6,390	512,993	72.5	2.2	23.6	0.5	1.2	100.0				
1910	373,172	12,484	117,920	2,815	509,155	73.3	2.5	23.2	0.5	0.5	100.0				
1909	354,146	14,633	107,476	2,324	480,706	73.7	3.0	22.4	0.4	0.5	100.0				
1908	295,372	10,235	94,417	479	402,141	73.4	2.5	23.5	0.5	0.1	100.0				
1907	314,835	7,779	82,862	916	406,622	77.4	1.9	20.4	0.2	0.1	100.0				
1906	306,334	8,271	73,882	203	388,843	78.7	2.1	19.0	0.1	0.1	100.0				

¹ Preliminary.

² Beginning with 1947, marketed production reported on new basis; includes gas stored and lost in transmission.

Authority: Bureau of Mines

Today's Crude Reserves Greater Than Total Production 1859-1940

ANNUAL CRUDE-OIL RESERVES AND DISCOVERIES IN THE UNITED STATES

(Thousands of Barrels of 42 U. S. Gallons)

Year	Accumulated Discoveries ² to December 31	Proved Reserves ³ December 31	Annual New Discoveries and New Developments	Annual Production ⁴	Cumulative Production to December 31
1949	63,557,436	24,649,489	3,187,845	1,818,800	38,907,947
1948	60,369,591	23,280,444	3,795,207	2,002,448	37,089,147
1947	56,574,384	21,487,685	2,464,570	1,850,445	35,086,699
1946	54,109,814	20,873,560	2,658,062	1,726,348	33,236,254
1945	51,451,752	19,941,846	.....	.....	.....
1945	52,336,719	20,826,813	2,110,299	1,736,717	31,509,906
1944	50,226,420	20,453,231	2,067,500	1,678,421	29,773,189
1943	48,158,920	20,064,152	1,484,786	1,503,427	28,094,768
1942	46,674,134	20,082,793	1,878,976	1,385,479	26,591,341
1941	44,795,158	19,589,296	1,968,963	1,404,182	25,205,862
1940	42,826,195	19,024,515	1,893,350	1,351,847	23,801,680
1939	40,932,845	18,483,012	2,393,122	1,264,256	22,449,833
1938	38,533,723	17,348,146	3,054,064	1,213,186	21,185,577
1937	35,479,659	15,507,268	3,721,532	1,277,664	19,972,391
1936	31,758,127	13,063,400	1,763,087	1,099,687	18,694,727
1935	29,995,040	12,400,000	1,219,596	996,596	17,595,040
1934	28,775,444	12,177,000	1,085,065	908,065	16,598,444
1933	27,690,379	12,000,000	605,656	905,656	15,690,379
1932	27,084,723	12,300,000	85,159	785,159	14,784,723
1931	26,999,564	13,000,000	251,081	851,081	13,999,564
1930	26,748,483	13,600,000	1,298,011	898,011	13,148,483
1929	25,450,472	13,200,000	3,207,323	1,007,323	12,250,472
1928	22,243,149	11,000,000	1,401,474	901,474	11,243,149
1927	20,841,675	10,500,000	2,601,129	901,129	10,341,675
1926	18,240,546	8,800,000	1,070,874	770,874	9,440,546
1925	17,169,672	8,500,000	1,763,743	763,743	8,669,672
1924	15,405,929	7,500,000	613,940	713,940	7,905,929
1923	14,791,989	7,600,000	732,407	732,407	7,191,989
1922	14,059,582	7,600,000	357,531	557,531	6,459,582
1921	13,702,051	7,800,000	1,072,183	472,183	5,902,051
1920	12,629,868	7,200,000	942,929	442,929	5,429,868
1919	11,686,939	6,700,000	878,367	378,367	4,986,939
1918	10,808,572	6,200,000	655,928	355,928	4,608,572
1917	10,152,644	5,900,000	335,316	335,316	4,252,644
1916	9,817,328	5,900,000	700,767	300,767	3,917,328
1915	9,116,561	5,500,000	381,104	281,104	3,616,561
1914	8,735,457	5,400,000	165,763	265,763	3,335,457
1913	8,569,694	5,500,000	348,446	248,446	3,069,694
1912	8,221,248	5,400,000	622,935	222,935	2,821,248
1911	7,598,313	5,000,000	720,449	220,449	2,598,313
1910	6,877,864	4,500,000	509,557	209,557	2,377,864
1909	6,368,307	4,200,000	383,171	183,171	2,168,307
1908	5,985,136	4,000,000	278,527	178,527	1,985,136
1907	5,706,609	3,900,000	266,095	166,095	1,806,609
1906	5,440,514	3,800,000	126,494	126,494	1,640,514
1905	5,314,020	3,800,000	334,717	134,717	1,514,020
1904	4,979,303	3,600,000	317,081	117,081	1,379,303
1903	4,662,222	3,400,000	300,461	100,461	1,262,222
1902	4,361,761	3,200,000	288,767	88,767	1,161,761
1901	4,072,994	3,000,000	169,389	69,389	1,072,994
1900	3,903,605	2,900,000	463,621	63,621	1,003,605
1859 to 1899, inclusive..	3,439,984	2,500,000	.....	.....	939,984

² Accumulated production to Dec. 31 plus proved reserves as of Dec. 31.

³ Figure for 1936 is estimate of *The Lamp* [Standard Oil Co. (New Jersey)]; all others from 1935 are estimates of the American Petroleum Institute's Committee on Petroleum Reserves. Figures for years prior to 1935 are estimates of the API Department of Statistics, but are not based on geological surveys.

⁴ Prior to 1937, Bureau of Mines; beginning with 1937, figures are those of API Committee on Petroleum Reserves.

⁵ Beginning with 1946 API report, reserves are for crude oil only. These are comparable figures for end of 1945 on that basis. Prior figures of API Committee on Petroleum Reserves included some condensate.

Authority: See footnotes

ESTIMATED PROVED RESERVES OF CRUDE OIL IN THE UNITED STATES

(Barrels of 42 U. S. Gallons)

State	Proved Reserves as of December 31, 1948 (1)	Changes in Proved Reserves Due to Extensions (New Crude Oil) and Revisions During 1949 (2)	Proved Reserves Discovered in New Fields and in Old Fields in 1949 ² (3)	Production During 1949 (4)	Proved Reserves as of December 31, 1949 (Columns 1 + 2 + 3 Less Column 4) (5)	Changes in Reserves During 1949 (Column 5 Less Column 1) (6)
Alabama	3,547,000	448,000	.....	448,000	3,547,000	—
Arkansas	300,042,000	23,130,000	2,412,000	28,121,000	297,463,000	2,579,000
California	3,763,583,000	225,915,000	166,195,000	332,942,000	3,822,751,000	59,168,000
Colorado	365,458,000	2,719,000	50,000	23,415,000	344,812,000	20,646,000
Illinois	393,365,000	126,909,000	11,816,000	63,952,000	468,138,000	74,773,000
Indiana	49,079,000	2,747,000	7,855,000	9,472,000	50,209,000	1,130,000
Kansas	674,395,000	136,379,000	27,755,000	100,139,000	738,390,000	63,995,000
Kentucky	59,209,000	2,875,000	3,540,000	9,456,000	56,168,000	3,041,000
Louisiana	1,869,290,000	179,699,000	43,695,000	182,915,000	1,909,769,000	—
Michigan	69,383,000	9,443,000	4,217,000	16,547,000	66,496,000	2,867,000
Mississippi	365,446,000	71,034,000	2,114,000	35,734,000	402,860,000	37,414,000
Montana	118,944,000	2,827,000	272,000	9,550,000	112,393,000	6,551,000
Nebraska	865,000	400,000	55,000	1,174,000	1,339,000	759,000
New Mexico	552,231,000	46,204,000	41,266,000	47,479,000	592,222,000	39,991,000
New York	67,116,000	.....	.....	4,216,000	62,900,000	4,216,000
Ohio	28,542,000	2,646,000	.....	3,485,000	27,703,000	839,000
Oklahoma	1,250,401,000	197,240,000	33,056,000	150,779,000	1,329,918,000	79,517,000
Pennsylvania	109,806,000	5,000,000	.....	11,450,000	103,356,000	6,450,000
Texas	12,484,218,000	1,229,877,000	531,984,000	736,347,000	13,509,732,000	1,025,514,000
Utah	807,000	15,050,000	600,000	626,000	15,831,000	15,024,000
West Virginia	36,697,000	3,000,000	1,125,000	2,830,000	37,992,000	1,295,000
Wyoming	715,787,000	11,934,000	11,815,000	47,934,000	691,602,000	24,185,000
Miscellaneous ³	2,233,000	1,952,000	....	572,000	3,613,000	1,380,000
U. S. total	23,280,444,000	2,297,428,000	890,417,000	1,818,800,000	24,649,489,000	1,369,045,000

² Only a limited area is assigned to each new discovery, even though the API reserves committee may believe that eventually a much larger area will produce; for, in this table, the concern is only with actually proved reserves.

³ Includes Florida, Missouri, Tennessee, and Virginia.

Authority: American Petroleum Institute

Proved Reserves of Natural-Gas Liquids Show Gain in 1949

ESTIMATED PROVED RESERVES OF NATURAL-GAS LIQUIDS IN THE UNITED STATES

(Includes Condensate, Natural Gasoline, and Liquefied Petroleum Gases)

(Barrels of 42 U. S. Gallons)

State	Proved Reserves as of December 31, 1948	Changes in Proved Reserves Due to Extensions (New Natural- Gas Liquids)- and Revisions During 1949	Proved Reserves Discovered in New Fields and in New Pools in Old Fields in 1949 ¹	Production During 1949	Proved Reserves as of December 31, 1949 (Columns 1 + 2 + 3 Less Column 4)	Changes in Reserves During 1949 (Column 5 Less Column 1)
	(1)	(2)	(3)	(4)	(5)	(6)
Alabama ⁴	.....	.....	.....	.....	.....	— 1,815,000
Arkansas	57,457,000	1,149,000	128,000	3,092,000	55,642,000	— 12,367,000
California	307,908,000	29,996,000	9,560,000	27,189,000	320,275,000	— 12,109,000
Colorado	36,299,000	— 5,307,000	25,000	6,827,000	24,190,000	— 2,504,000
Illinois	24,162,000	6,238,000	81,000	3,815,000	26,666,000	
Indiana	108,000	29,000	20,000	31,000	128,000	18,000
Kansas	102,344,000	6,573,000	113,000	2,625,000	106,405,000	4,061,000
Kentucky	14,401,000	315,000	157,000	1,628,000	13,245,000	— 1,156,000
Louisiana	524,096,000	81,174,000	17,821,000	26,669,000	596,422,000	72,326,000
Michigan	1,066,000	238,000	18,000	119,000	1,203,000	137,000
Mississippi	57,564,000	1,440,000	101,000	2,698,000	56,407,000	— 1,157,000
Montana	4,000,000	— 80,000	20,000	230,000	3,710,000	— 290,000
New Mexico	80,247,000	9,152,000	736,000	4,416,000	85,719,000	5,472,000
New York ⁴	.....	.....	.....	.....	.....	.....
Ohio	1,664,000	119,000	13,000	126,000	1,670,000	6,000
Oklahoma	200,388,000	43,062,000	7,952,000	17,372,000	234,030,000	33,642,000
Pennsylvania	2,645,000	158,000	79,000	239,000	2,643,000	2,000
Texas	2,074,674,000	110,442,000	54,794,000	96,199,000	2,143,711,000	69,037,000
Utah	209,000	7,000	2,000	10,000	208,000	1,000
West Virginia	15,214,000	1,107,000	369,000	3,859,000	12,831,000	— 2,383,000
Wyoming	36,307,000	8,416,000	540,000	1,400,000	43,863,000	7,556,000
Miscellaneous ³	30,000	— 17,000	36,000	3,000	46,000	16,000
U. S. total	3,540,783,000	294,211,000	92,565,000	198,547,000	3,729,012,000	188,229,000

² Only a limited area is assigned to each new discovery, even though the API Committee on Petroleum Reserves may believe that eventually a much larger area will produce; for, in this table, the concern is only with actually proved reserves.

³ Includes Alabama, Florida, and New York.

⁴ Included in "miscellaneous."

Authority American Petroleum Institute, American Gas Association

U. S. Proved Reserves of Liquid Hydrocarbon Reserves Over 28 Billion Barrels

ESTIMATED PROVED RESERVES OF LIQUID HYDROCARBONS IN THE UNITED STATES

(Barrels of 42 U. S. Gallons)

State	Proved Reserves as of December 31, 1948 (1)	Changes in Proved Reserves Due to Extensions (New Oil) and Revisions During 1949 (2)	Proved Reserves Discovered in New Fields and in Old Fields in 1949 ² (3)	Production During 1949 (4)	Proved Reserves as of December 31, 1949 (Columns 1 + 2 + 3 Less Column 4) (5)	Changes in Reserves During 1949 (Column 5 Less Column 1) (6)
Alabama ³	3,547,000	448,000	.....	448,000	3,547,000	—
Arkansas	357,499,000	24,279,000	2,540,000	31,213,000	353,105,000	— 4,394,000
California	4,071,491,000	255,911,000	175,755,000	360,131,000	4,143,026,000	— 71,535,000
Colorado	401,757,000	—	75,000	30,242,000	369,602,000	— 32,755,000
Illinois	417,527,000	133,147,000	11,897,000	67,767,000	494,804,000	— 77,277,000
Indiana	49,187,000	2,776,000	7,875,000	9,503,000	50,335,000	— 1,148,000
Kansas	776,739,000	142,952,000	27,865,000	102,764,000	844,793,000	— 68,056,000
Kentucky	73,610,000	3,190,000	3,697,000	11,084,000	69,413,000	— 4,197,000
Louisiana	2,393,386,000	260,873,000	61,516,000	209,584,000	2,566,191,000	— 112,805,000
Michigan	70,443,000	9,681,000	4,235,000	16,666,000	67,693,000	— 2,750,000
Mississippi	423,010,000	72,474,000	2,215,000	38,432,000	459,267,000	— 36,257,000
Montana	122,944,000	2,747,000	292,000	9,880,000	116,103,000	— 6,841,000
Nebraska	285,000	400,000	650,000	291,000	1,624,000	— 759,000
New Mexico	632,478,000	55,356,000	42,002,000	51,895,000	677,941,000	— 45,463,000
New York ⁴	67,116,000	.....	.....	4,216,000	62,900,000	— 4,216,000
Ohio	30,206,000	2,765,000	13,000	3,611,000	29,373,000	— 833,000
Oklahoma	1,450,789,000	240,302,000	41,008,000	168,151,000	1,563,948,000	— 113,159,000
Pennsylvania	112,451,000	5,158,000	79,000	11,689,000	105,999,000	— 6,452,000
Texas	14,558,892,000	1,340,319,000	586,778,000	832,546,000	15,653,443,000	— 1,094,551,000
Utah	1,016,000	15,057,000	602,000	636,000	16,039,000	— 15,023,000
West Virginia	51,911,000	4,107,000	1,494,000	6,689,000	50,823,000	— 1,088,000
Wyoming	752,094,000	20,350,000	12,355,000	49,334,000	735,465,000	— 16,629,000
Miscellaneous ⁴	2,263,000	1,935,000	36,000	575,000	3,659,000	— 1,396,000
U. S. total	26,821,227,000	2,591,639,000	982,982,000	2,017,347,000	28,378,501,000	— 1,557,274,000

² Only a limited area is assigned to each new discovery, even though the API Committee on Petroleum Reserves may believe that eventually a much larger area will produce; for in this table, the concern is only with actually proved reserves.

³ Crude oil only.

⁴ Includes Alabama and New York natural-gas liquids; Missouri, Tennessee, and Virginia crude oil; and Florida crude oil and natural-gas liquids.

Authority American Petroleum Institute, American Gas Association

Natural-Gas Reserves in 26 States

ESTIMATED PROVED RECOVERABLE RESERVES OF NATURAL GAS IN THE UNITED STATES

(Millions of Cubic Feet—14.65 PSI, Absolute, at 60 Deg F)

State	Changes in Reserves During 1949 ³				Reserves as of December 31, 1949 ³					
	Reserves as of December 31, 1948 (1)	Discoveries		Net Change in Under- ground Storage ⁴ (4)	Net Pro- duction ⁵ (5)	Total (Columns 7 + 8 + 9 + 10; Also Columns 1 + 2 + 3 + 4 Less Column 5) (6)	Non- associated ⁶ (7)	Associated ⁷ (8)	Dissolved ⁸ (9)	Under- ground Storage ⁹ (10)
		Extensions and Revisions (2)	New Fields and Old Fields (3)							
Arkansas	901,838	27,739	3,783	15	59,185	874,190	438,861	161,224	272,645	1,460
California	10,192,593	151,526	187,699	3,105	543,488	9,991,635	2,773,105	2,387,637	4,643,763	15,130
Colorado	1,349,179	102,364	6,128	0	24,828	1,227,095	580,442	33,603	83,650	0
Illinois	227,804	29,378	16,140	0	40,520	233,922	5,692	15,000	212,500	0
Indiana	21,600	5,890	3,960	0	6,250	25,200	5,000	0	20,200	0
Kansas	14,407,832	—	10,855	2,279	323,283	14,089,560	13,702,217	127,988	230,206	29,149
Kentucky	1,378,151	50,381	8,400	2,465	90,080	1,349,397	1,270,903	0	66,000	12,494
Louisiana	23,377,520	2,238,587	1,277,430	0	805,726	26,687,811	20,954,929	4,135,685	1,597,197	0
Michigan	182,987	39,514	3,683	6,165	17,438	214,911	145,842	0	47,495	21,774
Mississippi	2,504,336	81,499	12,084	0	68,050	2,528,969	1,764,540	415,030	349,399	0
Montana	852,605	16,646	4,021	1,416	37,925	803,471	767,051	6,088	27,341	2,991
New Mexico	5,606,361	737,698	146,287	7,363	259,706	6,241,003	3,137,497	2,252,569	839,734	11,203
New York	67,615	225	0	2,545	3,700	66,885	56,310	0	660	9,715
Ohio	629,453	42,264	9,225	18,629	47,000	652,571	549,097	0	36,500	66,974
Oklahoma	11,332,445	606,335	251,012	3,522	567,335	11,625,979	7,873,220	969,132	2,767,508	16,119
Pennsylvania	617,410	48,148	8,700	17,422	70,000	621,680	520,069	0	43,250	58,361
Texas	95,708,553	3,963,647	2,521,917	0	3,023,714	99,170,403	68,579,797	16,959,726	13,630,880	0
Utah	69,798	1,754	338	0	6,313	65,577	65,269	0	308	0
West Virginia	1,737,197	116,372	24,500	17,194	180,000	1,715,233	1,587,107	0	85,500	42,626
Wyoming	2,093,740	43,692	107,958	626	72,339	2,173,677	1,328,615	148,290	696,298	474
Miscellaneous ²	10,353	3,933	9,550	0	731	23,105	12,141	6,700	4,264	0
U. S. total	173,869,340	8,061,429	4,612,870	82,746	6,245,041	180,381,344	126,117,504	27,588,672	26,386,698	288,470

¹ Includes Alabama, Florida, Maryland, Missouri, Nebraska, and Virginia.

² Excludes gas loss due to recovery of natural-gas liquids.

³ The net difference between gas stored in and gas withdrawn from underground storage reservoirs.

⁴ Net production equals gross withdrawals less gas injected into underground reservoirs; changes in underground storage are excluded. December production estimated occasionally.

⁵ Non-associated gas is free gas not in contact with crude oil in the reservoirs.

⁶ Associated gas is free gas in contact with crude oil in the reservoirs.

⁷ Dissolved gas is gas in solution with crude oil in the reservoirs.

⁸ Gas held in underground reservoirs for storage purposes only.

Authority: American Gas Association

ESTIMATED PROVED RECOVERABLE RESERVES OF NATURAL-GAS LIQUIDS IN THE UNITED STATES²

(Thousands of Barrels of 42 U. S. Gallons)

Reserves as of December 31, 1949									
	Reserves as of December 31, 1948 (1)	Changes in Reserves During 1949				Total (Columns 6 + 7 + 8; Also Columns 1 + 2 + 3 Less Column 4) (5)	Non- associated (6)	Associated (7)	Dis- solved (8)
		Extensions and Revisions (2)	Discoveries of New Fields and New Pools in Old Fields (3)	Production (4)	Net Production (4)				
State									
Arkansas	57,457	1,149	128	3,092	55,642	35,338	7,865	12,439	
California	307,908	29,998	9,560	27,189	320,275	0	108,564	211,711	
Colorado	36,299	—	25	6,827	24,190	906	0	23,284	
Illinois	24,162	6,238	81	3,915	26,668	28	75	26,563	
Indiana	108	29	20	31	126	25	0	101	
Kansas	102,344	6,573	113	2,625	106,405	102,612	1,491	2,302	
Kentucky	14,401	315	157	1,628	13,245	13,245	0	0	
Louisiana	524,096	81,174	17,821	26,669	596,422	447,929	99,122	49,371	
Michigan	1,066	238	18	119	1,203	728	0	475	
Mississippi	57,564	1,440	101	2,698	56,407	24,173	25,945	6,289	
Montana	4,000	—	20	230	3,710	3,545	30	135	
New Mexico	80,247	9,152	736	4,416	85,719	24,523	38,889	22,307	
Ohio	1,664	119	13	126	1,670	1,670 ^a	0	0	
Oklahoma	200,388	43,062	7,952	17,372	234,030	103,063	21,900	109,067	
Pennsylvania	2,645	158	79	239	2,643	2,643 ^a	0	0	
Texas	2,074,674	110,442	54,794	96,199	2,143,711	1,303,100	323,898	516,713	
Utah	209	7	2	10	208	206	0	2	
West Virginia	15,214	1,107	369	3,859	12,831	12,831 ^a	0	0	
Wyoming	36,307	8,416	540	1,400	43,863	28,055	2,979	12,829	
Miscellaneous ⁴	30	—	36	3	46	0	33	13	
U. S. total	3,540,783	294,211	92,565	198,547	3,729,012	2,104,620	630,791	993,601	

² Includes condensate, natural gasoline, and liquefied petroleum gas.

³ Not allocated by types, but occurring principally in column shown.

⁴ Includes Alabama, Florida, Maryland, Missouri, Nebraska, New York, and Virginia.

Authority: American Gas Association

COMPOSITE PROVED PETROLEUM RESERVES,² BY STATES

(Thousands of Barrels of 42 U. S. Gallons)

State	Liquid Crude Oil	Natural- Gas Liquids	Total Liquid Petroleum	Natural- Gas ³ Equivalent	Total Petroleum
Alabama	3,547	....	3,547	....	3,547
Arkansas	297,463	55,642	353,105	145,698	498,803
California	3,822,751	320,275	4,143,026	1,665,272	5,808,298
Colorado	344,812	24,190	369,002	204,516	573,518
Illinois	468,138	26,666	494,804	38,865	533,669
Indiana	50,209	126	50,335	4,200	54,535
Kansas	738,390	106,405	844,795	2,348,260	3,193,055
Kentucky	56,168	13,245	69,413	224,899	294,312
Louisiana	1,909,769	596,422	2,506,191	4,447,969	6,954,160
Michigan	66,496	1,203	67,699	35,819	103,518
Mississippi	402,860	56,407	459,267	421,495	880,762
Montana	112,393	3,710	116,103	133,912	250,015
Nebraska	1,624	....	1,624	....	1,624
New Mexico	592,222	85,719	677,941	1,040,167	1,718,108
New York	62,900	....	62,900	11,114	74,014
Ohio	27,703	1,670	29,373	108,762	138,135
Oklahoma	1,329,918	234,030	1,563,948	1,937,663	3,501,611
Pennsylvania	103,356	2,643	105,999	103,613	209,612
Texas	13,509,732	2,143,711	15,653,443	16,528,400	32,181,843
Utah	15,831	208	16,039	10,930	26,969
West Virginia	37,992	12,831	50,823	285,872	336,695
Wyoming	691,602	43,863	735,465	362,280	1,097,745
Other States	3,613 ⁴	46 ⁵	3,659	3,851 ⁶	7,510
U. S. total.....	24,649,489	3,729,012	28,378,501	30,063,557	58,442,058

² As of Dec. 31, 1949.

³ Estimated proved natural-gas reserves converted at the rate of 6,000 cu ft of gas equaling 1 bbl of crude oil.

⁴ Includes Florida, Missouri, Tennessee, and Virginia.

⁵ Includes Alabama, Florida, and New York.

⁶ Includes Alabama, Florida, Maryland, Missouri, Nebraska, and Virginia.

Authority: American Petroleum Institute; American Gas Association

Petroleum Reserves at Record High

SUMMARY OF API RESERVES COMMITTEE'S ANNUAL REPORTS COVERING PERIOD 1937-1949

(Barrels of 42 U. S. Gallons)

PROVED RESERVES AS REPORTED PRIOR TO 1946

Year	New Oil Found During Year				Production During Year (4)	Estimated Proved Reserves as of End of Year (5)	Increase Over Previous Year (6)
	Through Revisions of Previous Estimates and Extensions to Known Fields (1)	Through Discoveries of New Fields and Extensions in Old Fields (2)	Total Through New Discoveries, Extensions, and Revisions (Columns 1 + 2) (3)				
1936.....	.....	.....	.....	.....	.....	13,063,400,000	.....
1937.....	2,792,790,000	928,742,000	3,721,532,000	1,277,664,000	15,507,268,000	2,443,868,000	.....
1938.....	2,243,571,000	810,493,000	3,054,064,000	1,213,186,000	17,348,146,000	1,840,878,000	.....
1939.....	2,035,455,000	340,867,000	2,396,122,000	1,264,256,000	18,483,012,000	1,134,866,000	.....
1940.....	1,607,012,000	286,336,000	1,893,350,000	1,351,847,000	19,024,515,000	541,503,000	.....
1941.....	1,538,989,000	429,974,000	1,968,963,000	1,404,182,000	19,589,296,000	564,781,000	.....
1942.....	1,618,925,000	260,051,000	1,878,976,000	1,385,479,000	20,082,793,000	493,497,000	.....
1943.....	1,262,365,000	282,418,000	1,544,786,000	1,503,427,000	20,064,152,000	— 18,641,000	.....
1944.....	1,556,192,000	511,308,000	2,067,500,000	1,678,421,000	20,453,231,000	389,079,000	.....
1945.....	1,690,315,000	419,984,000	2,110,299,000	1,736,717,000	20,826,813,000	373,582,000	.....
December 31, 1945 Estimated Proved Reserves of Crude Oil Only (see note below).....					19,941,846,000	.....	.....

NOTE: Up to and including its figures on proved reserves of petroleum, as of December 31, 1945, the API reserves committee combined under that heading the estimated proved reserves of cycle-plant and lease condensate. As of December 31, 1945, the reserves so included totaled 884,967,000 bbl and, as of December 31, 1944, there were 668,701,000 bbl included. Beginning with the report of December 31, 1946, the figures in this table show crude oil and natural-gas liquids. It is to be remembered that, previous to December 31, 1946, not all classes of natural-gas liquids were included. For this reason the totals for crude oil and natural-gas liquids, as herewith recorded for 1946 through 1949, are not comparable with the figures recorded for years prior to 1946.

PROVED RESERVES AS REPORTED FOR 1946 AND THEREAFTER

Year	Crude Oil Only		Natural-Gas Liquids Only		Production During Year (4)	Estimated Proved Reserves as of End of Year (5)	Increase Over Previous Year (6)
	Through Revisions of Previous Estimates and Extensions to Known Fields (1)	Through Discoveries of New Fields and Extensions in Old Fields (2)	Total Through New Discoveries, Extensions, and Revisions (Columns 1 + 2) (3)				
1946.....	2,413,628,000	244,434,000	2,658,062,000	1,726,348,000	20,873,560,000	931,714,000	.....
1947.....	2,019,140,000	445,430,000	2,464,570,000	1,850,445,000	21,487,685,000	614,125,000	.....
1948.....	3,398,726,000	396,481,000	3,795,207,000	2,002,448,000	23,280,444,000	1,792,759,000	.....
1949.....	2,297,428,000	890,417,000	3,187,845,000	1,818,800,000	24,649,489,000	1,369,045,000	.....
1946.....	(.....)	(.....)	(.....)	(.....)	3,163,219,000	.....	.....
1947.....	192,237,000	59,301,000	251,538,000	160,782,000	3,253,975,000	90,756,000	.....
1948.....	405,874,000	64,683,000	470,557,000	183,749,000	3,540,783,000	286,808,000	.....
1949.....	294,211,000	92,565,000	386,776,000	198,547,000	3,729,012,000	188,229,000	.....
1946.....	(.....)	(.....)	(.....)	(.....)	24,036,779,000	.....	.....
1947.....	2,211,377,000	50,731,000	2,262,108,000	2,011,227,000	24,741,660,000	704,881,000	.....
1948.....	2,844,600,000	461,144,000	3,305,744,000	2,186,197,000	26,821,227,000	2,079,567,000	.....
1949.....	2,591,639,000	982,982,000	3,574,621,000	2,017,347,000	28,378,501,000	1,557,274,000	.....

Authority: American Petroleum Institute; American Gas Association

AREAS OF WORLD CLASSIFIED AS TO FUTURE PROSPECTS FOR OIL²

	Very Great	Large	Locally Im- portant	Small	Asia—	Very Great	Large	Locally Im- portant	Small
North America—									
U. S. A.:									
Gulf Coast	X	..	..	..	Russia:	..	X	..	..
Mid Continent (includes West Texas and New Mexico)	X	X	..	..	East Ural .....	..	X	..	..
Rocky Mountains .....	..	X	..	..	Sakhalin .....	..	..	X	..
California .....	..	X	X	..	North Arctic	X	..	..	..
Eastern .....	..	..	X	..	Turkmen Region .....	..	..	..	..
Mexico .....	..	X	..	..	Tadjikistan and Khirgiz .....	..	X	..	..
Canada	X	..	..	..	Iraq	X	..	..	..
Central America .....	..	..	..	X	Iran .....	..	..	..	..
South America—									
Venezuela	X	..	..	..	Arabia .....	..	X	..	..
Colombia	X	..	..	..	Kuwait .....	..	X	..	..
Peru .....	..	X	..	..	Qatar .....	..	..	..	..
Ecuador .....	..	..	..	..	Syria .....	..	..	..	..
Paraguay .....	..	..	..	..	Bahrein .....	..	X	..	..
Chile .....	..	..	X	..	Turkey .....	..	..	..	..
Argentina .....	..	..	X	..	India .....	..	..	..	..
Bolivia .....	..	..	X	X	Afghanistan .....	..	..	X	..
Brazil .....	..	..	..	..	Burma .....	..	..	..	X
Europe—									
England .....	..	..	..	X	Australia .....	..	..	..	X
Germany .....	..	..	X	..	Africa—	..	..	..	..
France .....	..	..	..	X	Egypt .....	..	X	..	X
Italy .....	..	..	..	X	Mozambique .....	..	..	..	X
Albania .....	..	..	..	..	Angola .....	..	..	..	X
Poland .....	..	..	X	..	French North Africa .....	..	..	..	X
Romania .....	..	X	..	..	Madagascar .....	..	..	..	..
Spain .....	..	..	..	X					
Denmark .....	..	..	..	..	
Hungary .....	..	..	X	..					
Czechoslovakia .....	..	..	..	X					
Estonia .....	..	..	..	X					
Russia:									
Baku Region	X	..	..	..		
North Caucasus	X	..	..	..		
Perm Basin	X	..	..	..		
Emba Region .....	..	X	..	..			

² Source: "World Petroleum and Its Availability," paper presented by Ernest O. Thompson, railroad commissioner for the state of Texas; American Petroleum Inst.

Authority: See footnote.

Drilling Effort Pays Off in New Discoveries

NEW OIL, GAS, AND DISTILLATE FIELDS AND PAY HORIZONS FOUND ANNUALLY IN THE UNITED STATES, 1937-1949

	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937
Total new fields and pays..	1230	1192	979	688	647	633	499	523	650	492	473	423	376
Total new fields found.....	866	792	576	412	451	460	347	348	362	309	258	264	239
Total new pays found.....	364	400	403	276	187	173	152	175	288	183	215	159	137
New oil sources found:													
Total	959	917	736	513	475	475	403	451	562	428	414	373	322
New fields	675	610	436	308	317	326	276	288	301	261	224	229	203
New pays	284	307	300	205	158	149	127	163	261	167	190	144	119
New gas sources found:													
Total	150	160	145	104	123	117	72	57	83	62	55	42	48
New fields	122	112	96	75	113	102	56	47	58	46	33	31	33
New pays	28	48	49	29	15	15	16	10	25	16	22	11	15
New distillate sources found:													
Total	121	115	98	71	44	41	24	15	5	2	4	8	6
New fields	69	70	44	29	30	32	15	13	3	2	1	4	3
New pays	52	45	54	42	14	9	9	2	2	0	3	4	3

Authority: World Oil.

Substantial Production of Crude Oil on U. S. Government Land

PRODUCTION OF CRUDE OIL ON U. S. GOVERNMENT LANDS, BY YEARS

(Barrels)

Year	Public Land	Naval Petroleum Reserve	Indian Land	Totals
1949.....	75,733,200	5,853,650	14,152,893	95,739,743
1948.....	77,596,008	5,042,841	17,568,968	100,207,817
1947.....	70,363,023	5,847,974	24,691,947	100,902,944
1946.....	62,064,045	7,624,747	22,603,682	92,292,474
1945.....	57,835,484	14,386,925	22,293,548	94,515,957
1944.....	54,439,008	4,120,014	22,999,366	81,558,388
1943.....	52,939,686	1,590,032	22,967,414	77,497,132
1942.....	45,255,056	2,930,590	23,483,828	71,669,474
1941.....	46,339,980	2,971,320	22,743,762	72,055,062
1940.....	40,793,404	3,649,129	21,745,095	66,187,628
1939.....	38,476,037	3,855,020	22,042,730	64,373,787
1938.....	39,437,231	4,077,402	23,081,063	66,595,696
1937.....	40,843,059	4,037,117	27,884,691	72,764,867
1936.....	35,385,310	3,449,961	29,030,958	67,866,229
1931-1935.....	132,645,578	19,145,299	134,293,442	286,084,319
1926-1930.....	125,929,574	47,248,073	207,457,752	380,635,399
1920-1925.....	133,832,549	46,746,059	245,872,972	426,451,580

Authority: U. S. Geological Survey

Production of Natural Gas on Federal Lands Shows Steady Rise

PRODUCTION OF NATURAL GAS ON U. S. GOVERNMENT LANDS, BY YEARS

(Thousands of Cubic Feet)

Year	Public Land	Naval Petroleum Reserve	Indian Land	Totals
1949.....	125,510,804	3,067,666	13,743,374	142,321,844
1948.....	124,897,767	3,136,665	12,509,765	140,544,197
1947.....	94,902,212	3,275,746	38,054,009	136,231,967
1946.....	80,859,880	7,807,932	15,829,518	104,497,330
1945.....	87,856,227	2,913,555	16,641,152	107,410,934
1944.....	92,239,786	1,586,168	18,191,988	112,017,942
1943.....	87,504,160	1,398,697	16,850,251	105,753,108
1942.....	90,693,074	1,858,010	14,249,727	106,800,811
1941.....	86,972,267	1,822,300	13,133,320	101,927,887
1940.....	78,739,204	2,101,234	15,266,482	96,106,920
1939.....	79,229,145	2,210,123	12,700,262	94,139,530
1938.....	76,613,648	2,356,708	8,737,948	87,708,304
1937.....	81,167,961	2,720,688	9,756,177	93,644,826
1936.....	78,666,414	2,717,519	9,526,117	90,910,050
1931-1935.....	296,055,399	20,212,447	67,714,549	383,982,395
1926-1930.....	128,342,693	48,586,239	116,455,327	293,384,259
1920-1925.....	69,438,601	43,738,541	158,668,103	271,845,245

Authority: U. S. Geological Survey

Rising Production of Natural Gasoline on U. S. Public Land

PRODUCTION OF NATURAL GASOLINE ON U. S. GOVERNMENT LANDS, BY YEARS

(Gallons)

Year	Public Land	Naval Petroleum Reserve	Indian Land	Totals
1949.....	145,457,241	7,998,366	32,185,778	185,641,385
1948.....	156,306,711	7,963,536	33,092,630	197,362,877
1947.....	138,379,280	8,675,636	94,294,627	241,349,543
1946.....	120,435,223	9,975,605	92,744,118	223,154,946
1945.....	126,033,228	10,160,703	72,346,320	208,540,251
1944.....	121,202,259	7,777,909	97,240,784	226,220,952
1943.....	106,535,627	7,543,263	91,192,540	205,271,430
1942.....	97,948,500	8,770,143	95,820,329	202,538,972
1941.....	96,193,924	9,061,042	90,625,741	195,880,707
1940.....	87,940,351	9,904,339	81,806,507	179,651,197
1939.....	93,833,638	10,006,316	81,062,504	184,902,458
1938.....	98,523,188	10,414,124	89,894,757	198,832,069
1937.....	102,371,822	10,852,182	92,447,404	205,671,408
1936.....	102,305,102	11,478,543	94,839,336	208,622,981
1931-1935.....	470,472,710	78,468,235	478,359,887	1,027,300,832
1926-1930.....	308,318,673	124,535,220	737,221,211	1,170,075,104
1920-1925.....	81,244,994	43,970,540	320,038,622	445,254,156

Authority: U. S. Geological Survey.

Bulk of Petroleum Production on Public Domain in Four Western States

PRODUCTION OF CRUDE OIL, NATURAL GAS, AND NATURAL GASOLINE ON U. S. GOVERNMENT LANDS—1949

State	Crude Petroleum (Barrels)	Natural Gas (Thousands of Cubic Feet)	Natural Gasoline (Gallons)
Public Land			
California	22,613,163	30,780,680	72,226,975
Colorado ²	10,655,534	5,365,985	.....
Illinois	2,409	.....	.....
Kansas .....	.....	6,101,778	.....
Louisiana	470,744	1,526,045	886,272
Michigan	13,805	.....	.....
Montana ²	2,223,693	7,056,143	1,680
New Mexico	11,078,097	46,641,349	34,072,382
North Dakota ² .....	.....	570,761	.....
Oklahoma	66,478	136,102	88,834
Utah ²	51,655	4,988,416	.....
Wyoming ²	28,557,622	22,343,545	38,181,098
Total public land.....	75,733,200	125,510,804	145,457,241
Naval Petroleum Reserve No. 2 ³			
California	2,683,010	1,609,038	7,187,489
Indian Land			
Michigan	2,045	.....	.....
Montana	1,249,617	.....	.....
New Mexico	129,520	5,623,018	853,798
Oklahoma	9,257,688	7,875,698	31,331,980
Utah	94,134	.....	.....
Wyoming	3,419,889	244,658	.....
Total Indian land.....	14,152,893	13,743,374	32,185,778
Total public domain.....	92,569,103	140,863,216	184,830,508

² Fiscal year ended June 30, 1949.

³ Does not include Naval Reserve No. 1, Elk Hills.

Authority: U. S. Geological Survey.

PRODUCTION OF CRUDE OIL, NATURAL GAS, AND NATURAL GASOLINE ON U. S. GOVERNMENT LANDS—1948

State	Crude Petroleum (Barrels)	Natural Gas (Thousands of Cubic Feet)	Natural Gasoline (Gallons)
Public Land			
California	22,532,746	32,317,015	79,635,683
Colorado	9,413,469	5,752,077	.....
Illinois	7,110	.....	.....
Kansas .....	.....	4,444,766	.....
Louisiana	466,275	1,576,341	958,106
Michigan	2,058	.....	.....
Montana	2,159,467	6,383,886	13,041
New Mexico	11,304,198	46,450,748	31,541,726
North Dakota .....	.....	652,733	.....
Oklahoma	52,787	137,284	83,281
Utah	10,025	5,252,769	.....
Wyoming	31,647,873	21,930,148	44,074,874
Total public land	77,596,008	124,897,767	156,306,711
Naval Petroleum Reserve No. 2 ¹			
California	2,822,650	2,168,716	7,318,625
Indian Land			
Montana	1,319,263	1,442	.....
New Mexico	147,705	4,310,094	884,146
Oklahoma	10,059,035	7,985,388	32,208,484
Wyoming	6,042,965	212,841	.....
Total Indian land.....	17,568,968	12,509,765	33,092,630
Total public domain.....	97,987,626	139,576,248	196,717,966

¹ Does not include Naval Reserve No. 1, Elk Hills.

Authority: U. S. Geological Survey.

OIL- AND GAS-WELL ACTIVITY ON U. S. GOVERNMENT LANDS, 1949

State	New Wells Started	Wells Completed				Oil Producers Exhausted	Gas Producers Exhausted	Number of Active Oil Wells as of December 31, 1949
		Oil	Gas	Dry	Total			
Public Land								
Arkansas . . . . .		...	...	...	...	...	...	...
California	181	144	1	66	211	11	2	1,344
Colorado	23	14	2	14	30	6	...	290
Idaho	1	...	...	...	...	...	...	...
Kansas	17	...	17	...	17	...	...	...
Louisiana	1	...	1	...	1	...	...	11
Montana	67	28	28	18	74	5	2	8
Nebraska . . . . .	...	...	...	...	...	...	...	...
Nevada . . . . .	...	...	...	...	...	...	...	...
New Mexico	193	129	30	118	277	20	2	1,934
North Dakota	2	...	2	...	2	...	1	...
Oklahoma	3	1	2	...	3	...	...	64
South Dakota	1	...	...	1	1	...	...	...
Utah	12	13	...	8	21	...	2	13
Wyoming	244	147	6	96	249	40	5	2,479
Total public land ..	745	476	89	321	886	82	14	6,143
Naval Petroleum Reserves								
California	2	2	...	...	2	25	...	424
Indian Land								
Arizona . . . . .	...	...	...	...	...	...	...	...
Colorado . . . . .	...	...	1	...	1	...	...	...
Montana	15	12	3	4	19	1	...	365
New Mexico	5	...	1	5	6	...	...	47
Oklahoma ²	251	114	4	79	197	80	7	3,204
South Dakota . . . . .	...	...	...	...	...	...	...	...
Utah	3	3	...	3	6	...	...	4
Wyoming	8	10	...	4	14	1	...	133
Total Indian land .	282	139	9	95	243	82	7	3,753
Grand total	1,029	617	98	416	1,131	189	21	10,320

² Does not include Osage Agency.

Authority: U S Geological Survey

OIL- AND GAS-WELL ACTIVITY ON U. S. GOVERNMENT LANDS, 1948

State	New Wells Started	Wells Completed				Oil Producers Exhausted	Gas Producers Exhausted	Number of Active Oil Wells as of December 31, 1948
		Oil	Gas	Dry	Total			
Public Land								
Arkansas	1	....	....	1	1	....	....
California ²	109	88	1	43	132	26	1	1,410
Colorado	67	73	8	22	103	2	1	288
Kansas	21	....	21	....	21	....	....	..
Louisiana	2	2	....	....	2	....	..	11
Montana	73	37	20	19	76	9	2	342
Nebraska	....	....	....	....	....	....	....	.
Nevada	1	....	....	....	....	....	....	.
New Mexico	213	125	40	97	262	24	1	1,835
North Dakota	....	....	....	....	....	....	....	....
Oklahoma	3	....	2	2	4	....	....	63
South Dakota	....	....	....	....	....	....	....	..
Utah	10	....	2	9	11	....	....	..
Wyoming	288	200	7	62	269	33	3	2,350
Total public land...	788	525	101	255	881	94	8	6,299
Naval Petroleum Reserves ²								
California	10	9	....	1	10	24	1	367
Indian Land								
Arizona	....	....	....	....	....	....	....	....
Colorado	1	....	1	....	1	....	....	....
Montana	31	19	3	5	27	2	....	354
New Mexico	24	2	3	21	26	6	....	47
Oklahoma ³	248	128	19	120	267	167	15	3,188
South Dakota	....	....	....	....	....	....	....	....
Utah	4	1	2	....	3	....	....	1
Washington	....	....	....	....	....	....	....	..
Wyoming	28	23	....	8	31	....	....	122
Total Indian land...	336	173	28	154	355	175	15	3,712
Grand total	1,134	707	129	410	1,246	293	24	10,378

² Fiscal year 1948.

³ Does not include Osage Agency.

Authority: U. S. Geological Survey.

Eleven Thousand Oil and Gas Producers on Government Lands **STATUS OF WELLS ON U. S. GOVERNMENT LANDS, BY STATES**

(As of December 31, 1949)

State	Oil Producers		Gas Producers		Drilling		Abandoned ²	Total
	Active	Shut in	Active	Shut in	Active	Suspended		
Public Land								
Alaska ⁵	....	....	....	....	....	1	10	11
Arizona	....	....	....	....	....	....	15	15
Alabama	....	....	....	....	....	....	3	3
Arkansas	....	....	....	....	....	....	2	2
California ⁵	1,344	199	4	4	10	37	1,147	2,745
Colorado	290	24	19	18	2	31	371	755
Idaho	....	....	....	....	....	1	5	6
Kansas	....	....	75	1	1	....	....	77
Louisiana	11	1	12	....	....	....	61	85
Montana	8	10	359	38	230	30	546	1,221
Nebraska	....	....	....	....	....	....	1	1
Nevada	....	....	....	....	1	1	24	26
New Mexico	1,934	39	174	29	58	8	1,217	3,459
North Dakota	....	....	21	....	....	....	7	28
Oregon	....	....	....	....	....	....	2	2
Oklahoma	64	3	10	1	....	....	58	136
South Dakota	....	....	....	....	....	....	8	8
Utah	13	6	13	3	2	6	312	355
Wyoming	2,479	548	94	56	53	78	2,407	5,715
Total public land.....	6,143	830	781	150	357	193	6,196	14,650
Naval Petroleum Reserves ⁵								
California No. 1.....	157	534	3	9	7	5	143	858
California No. 2.....	267	88	5	13	....	....	242	615
Wyoming No. 3.....	....	59	....	14	....	....	13	86
Alaska No. 4.....	....	....	1	....	3	4	1	9
Total Naval Reserves...	424	681	9	36	10	9	399	1,568
Indian Land								
Arizona	....	....	....	....	....	....	6	6
Colorado	....	....	....	1	....	....	34	35
Montana	365	7	8	1	....	5	98	484
New Mexico	47	1	19	6	....	....	161	236
Oklahoma ⁴	3,204	117	122	25	40	15	3,555 ³	7,078
South Dakota	....	....	....	....	....	....	2	2
Utah	4	....	....	2	....	....	8	14
Washington	....	....	....	....	....	....	2	2
Wyoming	133	25	2	1	1	....	126	288
Total Indian land.....	3,753	150	151	36	43	20	3,992	8,145
Grand total	10,320	1,661	941	222	410	222	10,587	24,363

² Includes "abandoned" and "plugged and abandoned" wells.

³ Includes 273 wells used as injection wells for air or gas repressuring and water flooding and 40 salt-water-disposal wells.

⁴ Does not include Osage Agency.

⁵ Status, June 30, 1949.

Authority: U. S. Geological Survey.

STATUS OF WELLS ON U. S. GOVERNMENT LANDS, BY STATES

(As of December 31, 1948)

State	Oil Producers		Gas Producers		Drilling		Aban- doned ²	Total
	Active	Shut in	Active	Shut in	Active	Sus- pended		
Public Land								
Alaska .....	....	....	....	....	....	1	10	11
Arizona .....	....	....	....	....	....	....	15	15
Alabama ⁵ .....	....	....	....	....	....	....	3	3
Arkansas ⁵ .....	....	....	....	....	....	....	2	2
California	1,410	211	3	4	19	33	1,144	2,824
Colorado	288	19	20	18	3	35	351	734
Idaho .....	....	....	....	....	....	....	5	5
Kansas ⁵ .....	....	....	59	2	2	....	....	63
Louisiana ⁵	11	1	10	1	....	....	61	84
Montana	342	32	207	26	12	12	523	1,154
Nebraska .....	....	....	....	....	....	....	1	1
Nevada .....	....	....	....	....	....	2	24	26
New Mexico	1,835	62	139	38	47	15	1,121	3,257
North Dakota .....	....	....	19	1	....	....	6	26
Oregon .....	....	....	....	....	....	....	2	2
Oklahoma ⁵	63	3	10	....	2	....	58	136
South Dakota .....	....	....	....	....	....	....	7	7
Utah .....	....	6	11	4	8	3	299	331
Wyoming	2,350	572	89	68	46	69	2,285	5,479
Total public land.....	6,299	906	567	162	139	170	5,917	14,160
Naval Petroleum Reserves								
California No. 1.....	96	580	3	9	4	5	140	837
California No. 2.....	271	93	5	7	....	....	237	613
Wyoming No. 3.....	....	59	....	14	....	....	13	86
Alaska No. 4.....	....	....	....	....	....	4	....	4
Total Naval Reserves...	367	732	8	30	4	9	390	1,540
Indian Land								
Arizona .....	....	....	....	....	....	....	6	6
Colorado .....	....	....	....	1	....	....	34	35
Montana	354	7	2	4	5	3	94	469
New Mexico	47	1	18	6	2	....	157	231
Oklahoma ^{4, 5}	3,188	136	126	28	48	13	3,497 ³	7,036
South Dakota .....	....	....	....	....	....	....	3	3
Utah	1	....	....	2	2	....	6	11
Washington .....	....	....	....	....	....	....	2	2
Wyoming	122	24	2	1	9	2	119	279
Total Indian land.....	3,712	168	148	42	66	18	3,918	8,072
Grand total	10,378	1,806	723	234	209	197	10,225	23,772

² Includes "abandoned" and "plugged and abandoned" wells.

³ Includes 244 wells used as injection wells for air or gas repressuring and water flooding and 43 salt-water-disposal wells.

⁴ Does not include Osage Agency.

⁵ Status, June 30, 1949.

Authority: U. S. Geological Survey

Petroleum on Public Lands Brings Sizable Income to U. S. Government

U. S. INCOME FROM CRUDE OIL, NATURAL GAS, AND NATURAL GASOLINE ON GOVERNMENT LANDS, BY STATES 1949

State Public Land:	Royalties	Total Receipts ² (Fiscal Year)
Alabama	\$	\$ 966.02
Alaska ..	.....	.....
Arizona .....	.....	52,440.41
Arkansas .....	.....	1,299.61
California	7,170,253.61	7,669,771.96
Colorado	3,820,619.19 ³	4,187,445.03
Florida .....	.....	210.00
Idaho ..	.....	199,434.49
Illinois	834.09	.....
Kansas	44,097.13	33,081.86
Louisiana	131,071.56	147,761.30
Michigan	5,135.71	5,211.09
Mississippi .....	.....	1,329.25
Montana	796,183.22 ³	974,544.34
Nebraska .....	.....	60.00
Nevada .....	.....	16,939.75
New Mexico	2,979,219.12	3,826,310.35
North Dakota	3,099.64 ³	1,034.69
Ohio .....	.....	66.48
Oklahoma	16,726.66	26,798.13
Oregon .....	.....	8,581.50
South Dakota .....	.....	3,495.00
Utah	50,572.49 ³	604,793.36
Washington .....	.....	1,009.63
Wyoming	8,723,055.15 ³	10,681,029.30
Total public land.....	\$23,740,867.57	\$28,443,613.55
Naval Petroleum Reserve:		
California	\$ 952,129.97	\$ 1,831,608.29
Indian Land:		
Michigan	\$ 703.16	\$ 31,917.65
Montana	481,014.52	681,979.19
New Mexico	90,346.90	902,316.26
New York .....	.....	.....
Oklahoma ⁴	2,785,294.49	4,372,822.96
South Dakota .....	.....	.....
Utah	24,526.44	30,794.35
Washington .....	.....	3,198.75
Wyoming	905,636.37	1,783,672.54
Total Indian land.....	\$ 4,287,521.88	\$ 7,806,701.70
Total public domain.....	\$28,980,519.42	\$38,081,923.54

² Includes receipts from royalties, bonuses, interest on deferred bonuses, and rentals in excess of bonuses.

³ Fiscal year 1949.

⁴ Does not include Osage Agency.

Authority: U S Geological Survey

U. S. INCOME FROM CRUDE OIL, NATURAL GAS, AND NATURAL GASOLINE ON GOVERNMENT LANDS, BY STATES

1948

State	Royalties	Total Receipts ² (Fiscal Year)
Public Land:		
Alabama	\$	\$ 115.00
Alaska .....	.....	500.00
Arizona .....	.....	13,439.25
Arkansas .....	.....	804.25
California	7,448,757.36	6,936,241.12
Colorado	3,228,879.32	3,135,286.33
Florida .....	.....	10.00
Idaho .....	.....	10,898.50
Illinois	2,221.36	.....
Kansas	31,797.64	26,022.33
Louisiana	130,446.79	234,990.96
Michigan	1,542.51	2,022.50
Mississippi .....	.....	241.00
Montana	793,620.85	677,487.33
Nebraska .....	.....	100.00
Nevada .....	.....	20,212.50
New Mexico	3,094,448.97	3,776,928.26
North Dakota	3,533.85	4,078.61
Oklahoma	10,911.51	18,672.87
Oregon .....	.....	283.50
South Dakota .....	.....	9,941.00
Utah	37,695.82	327,862.15
Washington .....	.....	20.00
Wyoming	9,813,016.60	8,870,732.84
Total public land.....	\$24,596,872.58	\$24,066,890.30
Naval Petroleum Reserve:		
California	\$ 1,077,526.13	\$ 1,382,193.94
Indian Land:		
Michigan	\$	\$ 497.84
Montana	518,584.08	492,507.31
New Mexico	90,190.39	1,450,864.98
New York .....	.....	16,414.83
Oklahoma ³	3,084,691.86	4,687,138.03
South Dakota .....	.....	.....
Utah .....	.....	149,671.87
Washington .....	.....	5,756.19
Wyoming	1,667,917.18	1,566,757.80
Total Indian land.....	\$ 5,361,383.51	\$ 8,369,608.85
Total public domain.....	\$31,035,782.22	\$33,818,693.09

² Includes receipts from royalties, bonuses, interest on deferred bonuses, and rentals in excess of royalties.

³ Does not include Osage Agency.

Authority: U. S. Geological Survey

Royalty Payments to Federal Government Treble in 10 Years

U. S. INCOME FROM CRUDE OIL, NATURAL GAS, AND NATURAL GASOLINE ON GOVERNMENT LANDS, BY YEARS

Year	Royalties (Calendar Year)				Other Payments ² (Fiscal Year)
	Crude Oil	Natural Gas	Natural Gasoline	Total	
Public Land:					
1949.....	\$21,986,369	\$1,090,175	\$664,323	\$23,740,867	\$
1948.....	22,928,302	1,005,044	663,526	24,596,872	.....
1947.....	14,759,756	792,084	392,516	15,944,356	.....
1946.....	8,998,268	601,861	249,028	9,849,157	.....
1945.....	6,785,547	530,606	247,821	7,563,974	.....
1944.....	6,292,158	613,164	143,752	7,049,074	.....
1943.....	5,938,414	557,270	136,564	6,632,248	.....
1942.....	4,794,886	562,919	132,999	5,490,804	.....
1941.....	4,772,918	560,846	92,537	5,426,301	.....
1940.....	4,342,507	548,755	61,584	4,952,846	161,878
1939.....	4,267,409	687,407	63,973	5,018,790	105,754
1938.....	4,921,980	1,020,513	71,891	6,014,384	257,061
1937.....	5,296,011	671,446	147,022	6,114,479	43,387
1936.....	4,645,623	502,946	222,318	5,370,887	25,472
1931-1935.....	14,015,580	1,835,368	1,056,092	16,907,040	583,371
1926-1930.....	21,929,276	618,239	744,160	23,291,675	935,722
1921-1925.....	37,043,786	449,127	322,767	37,815,680	2,768,085
Naval Petroleum Reserve:					
1949.....	\$ 3,118,690	\$ 24,196	\$ 44,294	\$ 3,187,180	\$
1948.....	1,245,154	33,766	32,026	1,310,946	.....
1947.....	1,062,200	33,263	27,500	1,122,963	.....
1946.....	772,482	18,065	26,074	816,621	.....
1945.....	10,287,902	53,332	59,055	10,400,289	1,080
1944.....	2,191,348	15,836	25,549	2,232,733	1,400
1943.....	225,636	10,457	20,345	256,438	1,400
1942.....	677,543	14,490	23,788	715,821	1,400
1941.....	646,499	13,668	21,896	682,063	1,400
1940.....	807,830	17,207	24,626	849,663	1,400
1939.....	900,839	19,766	28,649	949,255	5,270
1938.....	947,211	19,460	30,626	997,297	1,400
1937.....	883,783	23,063	32,093	938,939	1,400
1936.....	664,214	23,027	32,491	719,732	1,240
1931-1935.....	3,005,031	165,896	242,785	3,413,712	7,549
1926-1930.....	10,373,567	483,595	807,615	11,664,777	.....
1921-1925.....	12,393,812	356,559	298,987	13,049,358	.....
Indian Land:					
1949.....	\$ 4,128,805	\$ 87,052	\$ 71,665	\$ 4,287,522	\$
1948.....	5,174,765	78,855	107,763	5,361,384 ³	.....
1947.....	5,990,269	250,854	207,962	6,449,085	.....
1946.....	4,511,822	219,857	185,659	4,917,338	.....
1945.....	4,112,371	220,856	189,223	4,522,450	1,603,392
1944.....	3,960,468	236,613	240,897	4,437,978	1,576,710
1943.....	3,749,227	240,600	200,044	4,189,871	1,394,712
1942.....	3,822,469	229,149	167,750	4,219,368	1,000,223
1941.....	3,636,681	240,954	184,904	4,062,539	976,233
1940.....	3,164,021	241,852	96,669	3,502,542	745,877
1939.....	3,238,866	222,857	144,619	3,606,342	611,476
1938.....	3,939,994	253,517	160,334	4,353,844	763,409
1937.....	4,960,226	285,838	211,547	5,457,611	1,486,065
1936.....	4,689,370	301,140	186,395	5,176,904	2,457,052
1931-1935.....	16,573,588	1,457,136	794,193	18,824,917	7,052,134
1926-1930.....	47,413,174	3,881,835	2,794,784	54,089,793	36,573,092
1921-1925.....	81,564,144	5,129,273	2,441,323	89,134,740	79,515,721
Total:					
1949.....	\$29,233,864	\$1,201,423	\$780,282	\$31,215,569	\$
1948.....	29,348,221	1,117,665	803,316	31,269,202	.....
1947.....	21,812,225	1,076,201	627,978	23,516,404	.....
1946.....	14,282,572	839,783	460,761	15,583,116	.....
1945.....	21,185,820	804,794	496,099	22,486,713	.....
1944.....	12,443,974	865,613	410,198	13,719,785	.....
1943.....	9,913,277	808,327	356,953	11,078,557	.....
1942.....	9,294,898	806,558	324,537	10,425,993	.....
1941.....	9,056,098	815,468	299,337	10,170,903	.....
1940.....	8,314,358	807,814	182,879	9,305,051	909,155
1939.....	8,407,114	930,031	237,241	9,574,386	722,500
1938.....	9,809,185	1,293,489	262,851	11,365,525	1,021,870
1937.....	11,140,020	980,347	390,662	12,511,029	1,530,852
1936.....	9,999,207	827,113	441,203	11,267,523	2,483,764
1931-1935.....	33,594,199	3,458,400	2,093,070	39,145,669	7,643,054
1926-1930.....	79,716,017	4,983,669	4,346,559	89,046,245	37,508,814
1921-1925.....	131,001,742	5,934,959	3,063,077	139,999,778	82,283,806

²Includes income from bonuses, rentals in excess of royalties, and interest on deferred bonuses. Figures are for fiscal year, except 1939.

³Figures do not total exactly; they are in "round" figures.

Authority: U. S. Geological Survey.

Osage Indians Receive Multi-million Income from Oil Lands

ROYALTY, BONUS, AND RENTAL PAYMENTS TO OSAGE INDIANS, BY YEARS, 1901-1950

(Dollars)						
Year Ended June 30	Oil Royalty	Gas Royalty	Bonuses	Interest on Bonuses	Rentals	Total Payments
1950.....	3,065,273	246,993	270,668	....	87,433	3,670,367
1949.....	3,142,467	337,494	164,450	....	52,345	3,696,756
1948.....	2,977,817	395,896	400,679	....	34,690	3,809,082
1947.....	2,448,621	315,335	98,883	....	48,577	2,911,416
1946.....	2,348,359	301,086	99,025	....	45,352	2,793,822
1945.....	2,374,077	148,570	116,375	....	42,946	2,681,968
1944.....	2,237,121	173,070	96,300	....	44,016	2,550,507
1943.....	2,168,006	188,371	371,488	....	40,059	2,767,924
1942.....	2,309,347	188,444	111,315	....	34,798	2,643,904
1941.....	2,277,980	199,033	133,325	....	36,420	2,646,758
1940.....	2,003,227	191,303	38,513	....	35,423	2,268,466
1939.....	2,040,965	184,268	70,079	....	39,700	2,335,012
1938.....	2,602,008	230,121	53,100	....	42,748	2,927,977
1937.....	3,317,704	258,738	332,481	....	36,212	3,945,135
1936.....	3,137,327	273,960	372,926	....	33,731	3,817,944
1935.....	2,802,716	329,061	1,731,441	12,293	36,665	4,912,176
1934.....	1,693,492	296,031	1,177,763	2,785	36,056	3,206,126
1933.....	1,100,942	260,944	113,519	287	38,903	1,514,594
1932.....	1,121,350	377,429	28,314	278	63,554	1,590,924
1931.....	1,999,040	622,515	107,749	2,840	95,027	2,827,170
1930.....	3,310,200	865,473	658,912	15,672	109,811	4,960,068
1929.....	3,857,779	1,068,110	2,338,730	87,962	88,679	7,441,260
1928.....	5,050,418	1,081,132	5,220,779	116,822	86,428	11,555,579
1927.....	9,016,826	1,370,012	8,112,103	340,668	140,659	18,980,268
1926.....	8,845,235	1,504,630	10,603,689	938,850	131,183	22,023,587
1925.....	9,793,165	1,351,420	14,577,607	969,893	163,924	26,856,009
1924.....	10,776,366	1,103,189	11,804,104	835,322	151,561	24,670,542
1923.....	13,048,878	1,023,664	15,261,507	1,062,369	106,082	30,502,500
1922.....	8,542,990	692,702	11,613,402	401,118	117,773	21,367,984
1921.....	10,267,544	1,041,202	6,044,938	281,899	119,325	17,754,908
1920.....	8,079,778	972,763	8,611,875	87,727	114,094	17,866,238
1919.....	4,581,733	838,941	5,447,752	....	130,950	10,999,377
1918.....	3,805,489	807,717	4,824,942	....	94,901	9,533,050
1917.....	2,622,145	803,640	1,662,481	....	108,325	5,196,591
1916.....	979,685	123,997	2,064,300	....	30,338	3,198,320
1915.....	538,378	10,842	....	....	12,591	561,810
1914.....	1,351,272	7,120	....	....	1,581	1,359,973
1913.....	773,982	4,318	498,183	....	....	1,276,483
1912.....	652,735	3,442	39,436	....	....	695,612
1911.....	514,540	3,152	....	....	....	517,691
1910.....	231,094	2,898	....	....	....	233,991
1909.....	245,300	2,714	....	....	....	248,014
1908.....	243,610	3,186	....	....	....	246,796
1907.....	298,378	3,202	....	....	....	301,580
1906.....	227,290	977	....	....	....	228,267
1905.....	128,268	629	....	....	....	128,897
1904.....	9,551	163	....	....	....	9,714
1903.....	2,933	25	....	....	....	2,958
1902.....	398	50	....	....	....	448
1901.....	553	50	....	....	....	603

Authority: U. S. Department of the Interior.

Production and Value of Natural Gasoline at Record Highs

U. S. NATURAL-GASOLINE PLANT OPERATIONS, BY YEARS, 1911-1948

Year	Number of Com- panies Operat- ing	Number of Plants Operat- ing	Natural Gas Processed (Billions of Cubic Feet)	Natural Gasoline Produced ² (Thousands of Barrels)	Natural Gasoline Produced ² (Millions of Gallons)	Value of Natural- Gasoline Production (Thousands of Dollars)	Average Price of Natural Gasoline (Cents Per Gallon)	Average Yield of Natural Gasoline ³ (Gallons)
1948	209	(⁴)	4,400	93,548	3,929	351,576	8.9	0.89
1947	213	546	4,070	87,119	3,659	228,174	6.2	0.90
1946	231	568	3,664	82,190	3,452	146,202	4.2	0.94
1945	234	606	3,654	78,357	3,291	145,570	4.4	0.90
1944	236	610	3,300	72,167	3,031	148,200	4.9	0.92
1943	252	642	3,028	66,024	2,773	122,500	4.4	0.92
1942	270	667	2,864	64,905	2,726	102,565	3.8	0.95
1941	284	676	2,763	64,024	2,689	105,815	3.9	0.97
1940	276	684	2,471	55,690	2,339	68,261	2.9	0.95
1939	260	684	2,150	51,643	2,169	90,050	4.2	1.01
1938	266	696	2,036	51,357	2,157	87,266	4.0	1.06
1937	249	696	2,109	49,167	2,065	97,125	4.7	0.98
1936	263	700	1,815	42,762	1,796	84,572	4.7	0.99
1935	278	715	1,822	39,333	1,652	70,940	4.3	0.91
1934	288	766	1,776	36,548	1,535	60,523	3.9	0.86
1933	290	778	1,551	33,810	1,420	54,368	3.8	0.92
1932	301	829	1,500	36,286	1,524	49,240	3.2	1.02
1931	323	936	1,790	43,619	1,832	63,727	3.5	1.02
1930	349	1,034	2,089	52,619	2,210	128,155	5.8	1.06
1929	363	1,086	1,959	53,190	2,234	158,406	7.1	1.14
1928	368	1,077	1,473	43,190	1,814	138,941	7.7	1.23
1927	393	1,118	1,341	39,071	1,641	118,686	7.2	1.22
1926	389	1,101	1,206	32,452	1,363	136,408	10.0	1.13
1925	449	1,080	1,040	26,833	1,127	120,378	10.7	1.08
1924	457	1,096	1,016	22,238	934	82,233	8.8	0.92
1923	455	1,067	876	19,429	816	77,268	9.5	0.93
1922	402	917	545	12,048	506	72,711	14.4	0.93
1921	458	1,056	480	10,714	450	61,815	13.7	0.94
1920	576	1,154	496	9,167	385	71,788	18.7	0.78
1919	611	1,191	480	8,381	352	64,197	18.3	0.73
1918	503	1,004	449	6,738	283	50,364	17.8	0.63
1917	750	886	429	5,190	218	40,189	18.5	0.51
1916	460	596	209	2,452	103	14,331	13.9	0.50
1915	287	414	24	1,548	65	5,151	7.9	2.72
1914	254	386	17	1,024	43	3,106	7.3	2.53
1913	232	341	10	571	24	2,458	10.2	2.43
1912	186	250	5	286	12	1,157	9.6	2.58
1911	132	176	2	167	7	532	7.2	3.00

² Includes cycle products.

³ Average yield of natural gasoline per 1,000 cu ft of natural gas processed.

⁴ Not available.

Authority: Bureau of Mines.

Natural-Gasoline Production in Steady Rise Since 1942

U. S. PRODUCTION OF NATURAL GASOLINE,² BY STATES, 1941-1948

(Thousands of Gallons)

State	1948 ¹	1947	1946	1945	1944	1943	1942	1941
Arkansas	49,306	51,165	46,303	51,215	43,701	40,353	34,033	28,108
California	704,745	689,998	646,275	655,151	632,768	582,872	545,881	577,127
Colorado	944	997	840	351	(³)	468	346	390
Illinois	45,793	47,180	53,307	55,023	61,351	71,737	66,389	54,872
Kansas	73,343	71,532	63,666	58,309	54,045	70,325	68,948	72,876
Kentucky	10,182	9,577	9,062	9,267	10,997	10,571	8,884	10,247
Louisiana	329,390	298,136	300,765	226,148	118,170	112,213	105,615	117,180
Michigan	2,471	3,658	4,624	5,310	4,055	1,226	2,518	5,670
Mississippi	27,167	4,752	....	....	....	....	....	....
Montana	3,403	2,768	2,624	2,876	2,886	2,749	2,810	2,517
New Mexico ...	99,980	92,297	87,677	86,040	69,528	73,126	73,862	69,115
New York	11	11	9	8	12	12	15	17
Ohio	5,500	5,775	5,153	5,733	7,282	6,495	6,975	8,217
Oklahoma	267,109	272,078	273,657	273,427	301,246	309,942	336,707	362,247
Pennsylvania ..	11,320	12,420	10,540	13,588	17,023	17,084	14,876	15,440
Texas	1,235,072	1,098,779	1,097,832	973,129	773,507	717,484	701,784	783,736
Utah	640	685	578	867	(³)	666	775	808
West Virginia ..	49,415	47,106	52,302	47,944	57,298	65,691	67,987	65,873
Wyoming	35,134	34,817	35,787	34,355	34,415 ⁵	32,358	32,699	33,920
U. S. total...	2,950,925	2,743,731	2,691,001	2,498,741	2,188,284	2,115,372	2,071,104	2,208,360

¹ Preliminary.

² Data include natural gasoline only, natural gasoline and cycle products not compiled separately prior to 1941.

³ Drip gasoline produced in Colorado and Utah combined with Wyoming

Authority: Bureau of Mines

Value of 1948 Natural-Gasoline Production Tops 260 Million

VALUE OF U. S. PRODUCTION OF NATURAL GASOLINE,² BY STATES, 1941-1948

(Thousands of Dollars)

State	1948 ¹	1947	1946	1945	1944 ⁵	1943	1942	1941
Arkansas	4,364	3,320	1,838	2,472	2,190	1,867	1,138	1,173
California	58,564	38,323	28,661	27,034	28,530	24,287	22,365	24,067
Colorado	94	68	50	21	(⁴)	25	17	18
Illinois	5,605	4,008	3,053	3,560	3,870	4,072	3,252	2,693
Kansas	6,051	3,826	2,455	2,687	2,600	2,967	2,373	2,631
Kentucky	953	656	472	498	650	545	438	475
Louisiana	28,064	17,049	11,000	7,952	5,800	4,655	3,688	4,025
Michigan	238	248	216	295	210	59	120	261
Mississippi	1,687	256	....	....	....	....	....	....
Montana	370	216	183	187	200	180	201	177
New Mexico	9,798	6,020	3,759	4,794	3,345	3,302	2,131	2,049
New York	1	1	(³)	(³)	1	1	1	1
Ohio	569	414	270	327	440	362	389	401
Oklahoma	24,788	17,822	11,973	14,178	17,200	15,663	12,655	16,084
Pennsylvania ...	1,105	831	513	752	990	893	712	705
Texas	112,392	72,168	42,898	42,583	38,734	31,507	24,198	29,479
Utah	64	47	35	52	(⁴)	35	39	45
West Virginia ...	4,699	3,025	2,269	2,547	3,210	3,155	2,817	2,717
Wyoming	3,735	2,759	2,153	2,079	2,030 ⁴	1,698	1,636	1,876
U. S. total....	263,141	171,057	111,798	112,018	110,000	95,273	78,170	88,877

¹ Preliminary.

² Value of natural gasoline at plants.

³ Less than \$500.

⁴ Drip gasoline produced in Colorado and Utah combined with Wyoming.

⁵ Data for 1944 estimated by Bureau of Mines.

Authority: Bureau of Mines

NUMBER OF U. S. NATURAL-GASOLINE PLANTS, BY STATES, 1930-1950

(As of January 1)

State	1950		1948		1946		1944		1942		1940	
	Oper- ating	Total ²	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total
Alaska .....	...	...	...	...	...	...	...	...	...	...	...	...
Arkansas	8	8	8	8	11	11	10	10	9	9	7	9
California	75	77	75	77	78	80	79	84	90	92	88	103
Colorado	1	1	...	...	...	...	...	...	1	1	2	2
Illinois	11	12	14	15	22	27	33	37	39	41	52	53
Indiana .....	...	...	...	...	...	...	...	...	...	...	...	...
Kansas	16	16	14	14	14	14	13	14	14	16	16	17
Kentucky	4	4	4	4	5	5	5	5	5	6	7	7
Louisiana	41	41	34	34	31	31	33	34	31	31	26	26
Michigan	3	4	1	2	2	2	2	2	3	3	1	1
Mississippi	2	2	1	1	...	...	...	...	...	...	...	...
Montana	1	1	1	1	1	1	1	1	1	1	1	1
New Mexico	11	11	9	9	9	9	8	9	7	7	6	6
New York	1	1	1	1	1	1	1	1	1	1	1	2
Ohio	10	10	9	9	9	9	10	11	12	12	12	12
Oklahoma	79	81	80	84	98	104	99	103	108	111	115	119
Pennsylvania	26	28	37	42	57	74	67	85	82	101	93	109
Texas	191	193	171	172	172	177	170	170	175	175	157	162
West Virginia	55	57	67	70	66	75	75	83	75	85	80	92
Wyoming	7	7	6	6	6	6	6	6	6	8	7	8
U. S. total.....	542	554	532	549	582	626	612	655	659	700	671	729

State	1938		1936		1934		1932		1930	
	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total
Alaska .....	...	1	...	1	1	1	1	1	1	1
Arkansas	8	9	8	9	9	11	13	14	14	14
California	93	108	89	108	92	126	113	145	144	165
Colorado	2	2	2	2	2	2	2	3	2	2
Illinois	48	49	59	75	77	79	79	81	75	76
Indiana .....	...	...	...	...	...	1	1	1	1	1
Kansas	19	21	18	21	18	22	17	20	23	23
Kentucky	8	8	6	6	6	6	7	7	9	10
Louisiana	28	29	25	30	27	40	38	50	47	48
Michigan	1	1	2	2	...	1	...	...	...	...
Mississippi .....	...	...	...	...	...	...	...	...	...	...
Montana	1	1	1	1	1	1	...	...	...	...
New Mexico	5	5	2	2	2	2	2	2	1	1
New York	1	2	1	3	2	3	1	3	2	3
Ohio	11	12	12	15	14	19	26	27	30	30
Oklahoma	133	141	152	165	175	203	216	238	264	268
Pennsylvania	98	114	100	116	105	119	119	132	126	131
Texas	135	140	121	129	115	121	121	128	143	144
West Virginia	82	92	87	100	87	104	96	100	110	111
Wyoming	6	7	9	9	9	9	8	8	8	8
U. S. total.....	679	741	694	793	741	869	859	959	999	1,035

²Totals include operating and shutdown plants.

Authority: Bureau of Mines.

DAILY CAPACITY OF NATURAL-GASOLINE PLANTS IN THE UNITED STATES, AS OF JANUARY 1, 1930-1950

(Thousands of Gallons)

State	1950		1948		1946		1944		1942		1940	
	Oper- ating	Total ³	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total
Alaska .....	...	...	...	...	...	...	...	...	...	...	...	...
Arkansas	336	336	302	302	352	352	228	228	135	135	68	75
California	4,595	4,625	4,462	4,468	3,026	3,060	2,576	2,790	2,937	2,958	2,948	3,167
Colorado	82	82	...	...	...	...	...	...	1	1	7	7
Illinois	546	546	611	621	617	628	898	898	265	265	54	54
Indiana .....	...	...	...	...	...	...	...	...	...	...	...	...
Kansas	511	511	400	400	296	296	335	350	329	344	294	309
Kentucky	83	83	84	84	83	83	83	83	53	53	45	45
Louisiana	3,121	3,121	2,204	2,204	1,918	1,918	1,153	1,155	1,191	1,191	524	524
Michigan	46	51	40	45	45	45	15	15	22	22	12	12
Mississippi	421	421	381	381	...	...	...	...	...	...	...	...
Montana	43	43	43	43	18	18	16	16	16	16	16	16
New Mexico	684	684	473	473	460	460	333	353	250	250	188	188
New York	1	1	1	1	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Ohio	48	48	48	48	46	46	44	50	52	52	49	49
Oklahoma	2,271	2,282	1,755	1,807	1,790	1,853	1,915	1,966	1,855	1,863	2,161	2,236
Pennsylvania	64	64	72	73	85	114	104	121	110	134	129	157
Texas	13,529	13,585	9,597	9,647	8,311	8,437	7,416	7,416	6,044	6,044	4,281	4,309
West Virginia	471	472	514	526	406	422	434	450	352	372	329	378
Wyoming	257	257	199	199	196	196	122	122	115	141	130	136
U. S. total.....	27,109	27,212	21,186	21,322	17,649	17,928	15,672	16,013	13,727	13,841	11,235	11,662

State	1938		1936		1934		1932		1930	
	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total	Oper- ating	Total
Alaska	(²)	(²)	...	...	...	...	...	...	...	...
Arkansas	117	119	72	73	82	88	88	103	130	130
California	3,240	3,437	3,096	3,356	3,289	3,673	3,784	4,057	3,452	3,658
Colorado	6	6	7	7	7	7	6	12	18	18
Illinois	18	18	36	47	49	51	58	59	50	50
Indiana .....	...	...	...	...	...	(²)	(²)	(²)	(²)	(²)
Kansas	316	336	197	225	176	210	183	203	190	190
Kentucky	45	45	26	26	26	26	47	47	46	47
Louisiana	420	423	274	288	316	421	410	477	396	397
Michigan	12	12	10	10	...	3	...	...	...	...
Mississippi .....	...	...	...	...	...	...	...	...	...	...
Montana	16	16	5	5	5	5	...	...	...	...
New Mexico	150	150	74	74	59	59	80	80	10	10
New York	(²)	(²)	(²)	1	1	1	(²)	2	1	2
Ohio	49	49	44	47	45	48	59	59	61	61
Oklahoma	2,343	2,359	2,052	2,143	2,165	2,352	2,955	3,189	3,064	3,085
Pennsylvania	108	142	108	136	110	133	109	140	122	128
Texas	3,471	3,498	2,635	2,736	2,419	2,476	2,354	2,411	2,218	2,220
West Virginia	325	372	288	370	294	369	364	388	393	393
Wyoming	96	101	119	119	138	138	160	160	127	127
U. S. total.....	10,732	11,083	9,043	9,663	9,181	10,060	10,657	11,387	10,278	10,516

² Less than 500 gal.

³ Totals include operating and shutdown plants.

Authority: Bureau of Mines.

Natural-Gasoline Plant Capacity Shows Steady Increase

NUMBER AND DAILY CAPACITY OF U. S. NATURAL-GASOLINE PLANTS, BY YEARS, 1928-1950

(As of January 1)

Year	Number of Plants			Daily Capacity (Thousands of Gallons)		
	Operating	Shut Down	Total	Operating	Shut Down	Total
1950	542	12	554	27,109	103	27,212
1948	532	17	549	21,186	136	21,322
1946	582	44	626	17,649	279	17,928
1944	612	43	655	15,672	341	16,013
1942	659	41	700	13,727	114	13,841
1940	671	58	729	11,235	427	11,662
1938	679	62	741	10,732	351	11,083
1936	694	99	793	9,043	620	9,663
1934	741	128	869	9,181	879	10,060
1932	859	100	959	10,657	730	11,387
1930	999	36	1,035	10,278	238	10,516
1928	1,060	95	1,155	7,754	294	8,048

Authority. Bureau of Mines

Production and Value of Cycle Products Show Sharp Increase

U. S. PRODUCTION AND VALUE OF CYCLE PRODUCTS, BY STATES, 1945-1948 ²

State	1948 ¹		1947		1946		1945	
	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)
Arkansas	6,102	635	5,622	348	4,527	239	2,617	113
California	137,680	11,014	143,475	7,979	87,952	3,424	76,271	2,439
Kansas . . . . .	....	....	15	1	....	....	....	....
Kentucky . . . . .	....	....	....	....	....	....	128	7
Louisiana	197,346	17,939	183,612	9,728	147,610	5,636	202,256	6,347
Mississippi . . . . .	....	....	11,983	659	....	....	....	....
New Mexico	202	14	6	6	....	....	3	(³)
Ohio	652	67	1,165	85	1,100	59	719	42
Oklahoma	5,901	643	8,813	868	10,258	934	10,907	1,045
Pennsylvania	14	(³)	....	....	....	....	....	....
Texas	626,092	57,914	555,795	37,129	500,688	23,885	494,009	23,340
West Virginia	4,515	209	5,232	314	8,552	227	5,298	219
U. S. total	978,504	88,435	915,718	57,117	760,687	34,404	792,208	33,552

¹ Preliminary.

² For prior years, see table entitled "U. S. production of liquefied petroleum gas and cycle products, by states, 1941-1948," footnote (4). Includes finished gasoline, condensate, kerosine, distillate fuel oils, etc.

³ Less than \$500.

Authority: Bureau of Mines.

LPG Market Rises Dramatically

U. S. PRODUCTION AND VALUE OF LIQUEFIED PETROLEUM GAS,³ BY STATES, 1945-1948²

State	1948 ¹		1947		1946		1945	
	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)	Production (Thou- sands of Gallons)	Value (Thou- sands of Dollars)
Arkansas	39,092	2,260	37,279	1,271	33,677	839	32,109	833
California	269,644	16,961	230,635	7,901	176,311	4,933	160,331	5,259
Illinois	103,202	7,864	115,324	5,043	108,253	3,390	120,969	4,074
Kansas	28,617	1,731	27,848	978	18,925	467	14,328	379
Kentucky	56,407	1,683	50,136	1,304	44,800	986	37,484	817
Louisiana	179,442	11,215	147,097	7,090	118,421	4,243	120,830	4,669
Michigan	46	3	629	17	7,713	210	8,320	227
Mississippi	18,339	922	3,207	159				
Montana	5,046	350	2,988	208	1,973	109	1,850	110
New Mexico	31,396	1,234	20,748	703	15,965	344	11,757	257
Ohio	203	11	144	5				
Oklahoma	197,131	10,980	165,602	5,700	131,076	2,955	131,850	3,276
Pennsylvania	919	66	593	51	463	40	593	51
Texas	1,123,225	50,433	984,860	32,724	684,459	15,587	721,167	20,067
West Virginia ..	103,412	4,778	88,935	2,975	59,590	1,653	34,367	1,173
Wyoming	24,577	1,551	15,993	691	7,719	323	17,269	802
U. S. total ...	2,180,698	112,042	1,891,818	66,820	1,409,345	36,079	1,413,224	41,994

¹ Preliminary.

² For prior years, see table entitled "U. S. production of liquefied petroleum gas and cycle products, 1941-1948," footnote (4).

³ Includes propane, butane, and pentane (both normal and iso-), and mixtures of these products

Authority. Bureau of Mines

1948 LPG and Cycle Production 46 Per Cent Above 1946

U. S. PRODUCTION OF LIQUEFIED PETROLEUM GAS¹ AND CYCLE PRODUCTS,² BY STATES, 1941-1948

(Thousands of Gallons)

State	1948 ¹	1947	1946	1945	1944 ⁴	1943	1942	1941
Arkansas	45,194	42,901	38,204	34,726	31,835	16,484	8,644	6,281
California	407,324	374,110	264,263	236,602	138,512	110,460	87,445	82,638
Illinois	103,202	115,324	108,253	120,969	133,018	113,750	72,934	38,293
Kansas	28,617	27,663	18,925	14,328	15,789	14,881	12,880	12,815
Kentucky	56,407	50,136	44,800	37,612	37,745	32,746	27,798	25,124
Louisiana	376,788	330,709	266,031	323,086	374,489	193,849	190,459	108,544
Michigan	46	629	7,713	8,320	4,445			
Mississippi	18,339	15,190						
Montana	5,046	2,988	1,973	1,850	1,882	1,915	1,707	1,449
New Mexico	31,598	20,754	15,965	11,760	11,633	7,879	15,302	11,885
Ohio	855	1,309	1,100	719				
Oklahoma	203,032	174,415	141,334	142,757	120,522	112,371	108,408	91,136
Pennsylvania	933	593	463	593	472	450	418	571
Texas	1,749,317	1,540,655	1,185,147	1,215,176	1,095,988	928,547	866,046	775,083
West Virginia ..	107,927	94,167	68,142	39,665	31,619	32,251	33,841	22,171
Wyoming	24,577	15,993	7,719	17,269	15,699	3,117	2,538	1,560
U. S. total..	3,159,202	2,807,536	2,170,032	2,205,432	2,013,648	1,568,700	1,428,420	1,187,550

¹ Preliminary.

² Includes propane, butane, and pentane (both normal and iso-), and mixtures of these products.

³ Includes finished gasoline, condensate, kerosene, distillate fuel oils, etc.

⁴ From 1941 through 1944 only 2 states, viz., Louisiana and Texas, reported cycle products. The figures here include Louisiana production (thousands of gallons): 1944—291,654; 1943—153,594; 1942—148,747; 1941—83,869. Texas production: 1944—551,370; 1943—504,252; 1942—506,117; 1941—396,485. Louisiana value (thousands of dollars): 1944—12,835; 1943—5,959; 1942—5,121; 1941—6,183. Texas value: 1944—25,365; 1943—21,268; 1942—19,274; 1941—14,587.

Authority: Bureau of Mines.

Sixfold Value Increase of LPG and Cycle Products in Seven Years

VALUE OF U. S. PRODUCTION OF LIQUEFIED PETROLEUM GAS AND CYCLE PRODUCTS, BY STATES, 1941-1948

(Thousands of Dollars)

State	1948 ¹	1947	1946	1945	1944	1943	1942	1941
Arkansas	2,895	1,619	1,078	946	800	335	92	57
California	27,975	15,680	8,357	7,698	4,445	3,388	2,564	2,082
Illinois ..	7,864	5,043	3,390	4,074	4,130	3,358	2,000	1,054
Kansas	1,731	979	467	379	525	471	422	410
Kentucky	1,683	1,304	986	824	900	675	681	1,055
Louisiana	29,154	16,818	9,879	11,016	15,500	7,119	6,625	2,739
Michigan	3	17	210	227	147	....	....	....
Mississippi	922	818	....	....	....	....	....	....
Montana	350	208	109	110	110	110	96	81
New Mexico	1,248	709	344	257	326	187	267	228
Ohio	78	90	59	42	....	....	....	....
Oklahoma	11,623	6,568	3,889	4,321	3,400	2,858	2,853	2,076
Pennsylvania ...	66	51	40	51	42	40	37	42
Texas	108,347	69,853	39,472	43,407	40,130	31,655	26,106	19,003
West Virginia...	4,987	3,289	1,880	1,392	1,335	1,300	1,548	1,354
Wyoming	1,551	691	323	802	710	141	104	62
U. S. total....	200,477	123,937	70,483	75,546	72,500	51,637	43,395	30,243

¹ Preliminary.

² For breakdown of value for prior years, see table entitled "U. S. production of liquefied petroleum gas and cycle products, by states, 1941-1948," footnote (4).

Authority: Bureau of Mines.

Texas Produces 47 Per Cent of U. S. Natural-Gasoline and Cycle Products

U. S. PRODUCTION OF NATURAL GASOLINE AND CYCLE PRODUCTS, BY STATES AND BY YEARS, 1911-1948

Year	(Thousands of Gallons)										New Mexico
	Arkansas	California	Colorado	Illinois	Kansas	Kentucky	Louisiana	Michigan	Montana		
1948 ¹	55,408	842,425	944	45,793	73,343	10,182	526,736	2,471	3,403	100,182	
1947.....	56,787	833,473	997	47,180	71,547	9,577	481,748	3,658	2,768	92,303	
1946.....	50,830	734,227	840	53,307	63,666	9,062	448,375	4,624	2,624	87,677	
1945.....	53,832	731,422	351	55,023	58,309	9,395	428,404	5,310	2,876	86,043	
1944.....	43,701	632,768	(²)	61,351	54,045	10,997	409,824	4,055	2,886	69,528	
1943.....	40,353	582,872	468	71,737	70,325	10,571	265,807	1,226	2,749	73,126	
1942.....	34,033	545,851	346	66,389	66,948	8,684	254,362	2,518	2,810	73,862	
1941.....	28,108	577,127	390	54,872	72,876	10,247	201,049	5,670	2,517	69,115	
1940.....	32,096	587,476	380	21,499	64,691	9,539	113,741	3,919	2,603	55,713	
1939.....	24,634	607,237	390	4,012	62,175	7,785	94,090	2,971	2,161	54,707	
1938.....	25,648	660,890	386	2,436	55,988	7,040	95,634	3,581	1,768	49,596	
1937.....	11,285	623,894	404	2,567	57,026	7,344	106,415	2,408	2,296	38,253	
1936.....	11,957	593,416	451	2,337	7,775	6,009	72,687	2,015	2,071	28,921	
1935.....	13,076	534,624	417	2,642	32,507	5,614	49,732	1,850	1,739	19,563	
1934.....	13,033	506,272	643	3,810	27,891	4,171	40,558	589	1,237	21,748	
1933.....	15,215	496,293	408	3,673	24,869	4,514	36,973	188	1,295	19,149	
1932.....	18,653	551,897	472	4,558	24,792	4,877	46,199	.....	.....	17,507
1931.....	26,282	680,339	659	5,024	32,690	5,464	58,034	.....	.....	17,775
1930.....	30,637	829,713	1,322	6,867	35,106	6,641	73,693	.....	.....	3,663
1929.....	33,455	840,325	1,630	7,080	36,227	6,006	64,957	.....	.....	1,077
1928.....	32,677	584,111	1,909	7,817	36,765	7,267	55,022	.....	.....	1,506
1927.....	37,498	498,020	912	8,853	36,095	7,480	43,844	.....	.....	1,827
1926.....	30,385	389,366	276	9,987	25,369	7,689	43,557	.....	.....	1,488
1925.....	19,686	303,180	35	9,874	19,592	7,685	43,489	.....	.....	..
1924.....	17,533	232,579	....	9,091	11,658	7,274	48,098	.....	.....	..
1923.....	16,183	173,329	....	7,356	8,775	7,601	40,720	.....	.....	....
1922.....	4,289	67,120	....	7,760	2,856	5,205	29,406	.....	.....	....
1921.....	.....	58,220	....	7,536	3,587	4,242	15,341	.....	.....	....
1920.....	.....	48,208	....	6,055	4,331	4,497	10,610	.....	.....	....
1919.....	.....	40,386	....	6,060	3,284	5,136	10,063	.....	.....	....
1918.....	.....	32,269	2	4,575	2,390	3,331	7,021	.....	.....	....
1917.....	.....	28,818	(³)	4,934	1,175	3,818	4,980	.....	.....	....
1916.....	.....	17,159	(⁴)	2,260	215	725	2,113	.....	.....	....
1915.....	.....	12,835	(⁵)	1,035	(⁶)	(⁷)	(⁸)	.....	.....	....
1914.....	.....	7,581	(⁶)	1,164	(⁷)	(⁸)	..	.....	.....	....
1913.....	.....	3,461	(⁷)	(⁸)	(⁹)	(¹⁰)	.....	.....	.....	....
1912.....	.....	1,041	(⁸)	(⁹)	.....	(¹¹)	.....	.....	.....	....
1911.....	.....	(⁹)	(⁹)	(⁹)	.....	(¹²)	.....	.....	.....	....

VALUE OF NATURAL GASOLINE AND CYCLE PRODUCTS AT U. S. PLANTS, BY STATES, 1911-1948

—Continued

Year	Alaska	Arizona	California	Colorado	Connecticut	Delaware	Florida	Georgia	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Massachusetts	Michigan	Minnesota	Mississippi	Montana	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	North Dakota	Ohio	Oklahoma	Oregon	Pennsylvania	Rhode Island	South Carolina	South Dakota	Tennessee	Texas	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming
1948 ¹	11	6,152	273,010	11,334	1,861,164	53,930	35,774 ²	27,167 ³	3,929,429	228,174	6.2																																	
1947	11	6,940	280,891	12,420	1,854,574	52,338	35,502 ²	16,735 ³	3,659,449	228,174	6.2																																	
1946	9	6,253	283,915	10,540	1,598,520	60,854	36,365 ²	.....	3,451,688	146,202	4.2																																
1945	8	6,452	284,334	13,588	1,467,138	53,242	35,222 ²	.....	3,290,949	145,570	4.4																																
1944	12	7,282	301,246	17,023	1,324,877	57,298	34,415 ²	.....	3,031,308	148,200	4.9																																
1943	12	6,495	309,942	17,084	1,221,736	65,691	33,024 ²	.....	2,773,218	122,500	4.4																																
1942	15	6,975	336,707	14,876	1,207,901	67,987	33,474 ²	.....	2,725,968	102,565	3.8																																
1941	17	8,217	362,247	15,440	1,180,221	68,782	34,728 ²	.....	2,688,714	105,815	3.9																																
1940	17	8,062	399,369	15,371	932,040	58,782	34,102 ²	.....	2,339,400	68,261	2.9																																
1939	34	7,445	436,123	11,756	770,047	52,272	31,461 ²	.....	2,169,300	90,050	4.2																																
1938	27	7,382	468,499	10,734	685,920	50,398	30,647 ²	.....	2,156,574	87,266	4.0																																
1937	33	7,704	492,290	13,940	615,281	50,379	33,915 ²	.....	2,065,434	97,125	4.7																																
1936	22	6,991	418,591	14,267	520,547	44,389	33,894	.....	1,796,340	84,572	4.7																																
1935	27	6,232	379,913	12,623	516,748	42,433	32,246	.....	1,651,986	70,940	4.3																																
1934	85	5,581	355,438	10,781	466,570	41,854	34,799	.....	1,535,360	60,523	3.9																																
1933	96	4,662	360,488	11,686	366,515	39,848	34,103	25	1,420,000	54,368	3.8																																	
1932	117	5,163	378,584	11,685	371,106	43,773	44,391	26	1,523,800	49,244	3.2																																	
1931	132	5,199	454,886	14,339	426,695	52,844	51,523	33	1,831,918	63,732	3.5																																	
1930	208	8,937	591,194	16,713	491,299	63,328	51,132	41	2,210,494	128,160	5.8																																	
1929	264	11,166	676,030	18,411	419,485	72,994	44,544	37 ⁴	2,233,688	158,410	7.1																																	
1928	392	13,174	619,691	16,571	324,516	69,729	42,861	26	1,814,034	138,944	7.7																																	
1927	449	12,167	548,109	16,744	320,723	64,192	43,212	19	1,641,144	118,688	7.2																																	
1926	539	10,817	475,716	20,343	243,093	63,807	40,625	33	1,363,090	136,412	10.0																																	
1925	414	8,701	390,861	18,850	214,092	58,201	32,777	33 ⁵	1,127,470	120,383	10.7																																	
1924	477	9,443	301,062	19,254	186,571	61,549	29,272	...	933,861	82,233	8.8																																	
1923	408	10,035	270,249	19,132	177,765	63,381	21,292	....	816,226	77,268	9.5																																
1922	506	8,600	182,404	18,518	95,405	56,746	19,967	..	505,832	72,711	14.4																																	
1921	366	9,100	185,341	19,856	77,141	54,646	14,558	..	449,934	61,815	13.7																																	
1920	411	10,016	178,857	20,184	32,056	58,941	8,711	..	384,744	71,788	18.7																																	
1919	458	8,801	189,995	20,284	9,937	52,150	5,581	..	351,535	64,197	18.3																																	
1918	218	6,745	163,701	15,775	7,326	37,604	1,579	....	282,536	50,364	17.8																																
1917	(1)	5,440	115,123	13,828	6,920	32,669	....	181	217,884	40,189	18.4																																
1916	(1)	2,639	48,360	9,715	1,293	18,765	....	249	103,493	14,331	13.8																																
1915	(1)	2,199	31,966	5,899	(⁶)	10,854	....	877	65,365	5,151	7.9																																
1914	(1)	2,440	17,278	4,612	...	9,278	....	300	42,653	3,106	7.3																																
1913	(1)	2,073	6,463	3,680	....	7,662	....	722	24,061	2,458	10.2																															
1912	(1)	1,719	1,575	1,467	....	5,318	....	387	12,081	1,157	9.6																															
1911	(1)	1,679	368	1,467	....	3,660	....	232	7,426	532	7.2																															

¹ Preliminary.
² Colorado and Utah included with Wyoming.
³ Includes Mississippi only.

⁴ Includes Indiana from 1929 through 1932.
⁵ Includes Alaska from 1925 through 1933.

⁶ Includes Utah.
⁷ Included with "other states."

Authority Bureau of Mines

1948 Value of Natural Gasoline and Cycle Products 140 Per Cent Above 1946

VALUE OF NATURAL GASOLINE AND CYCLE PRODUCTS AT U. S. PLANTS, BY STATES, 1911-1948

Year	Arkansas	California	Colorado	Illinois	Indiana	Kansas	Kentucky	Louisiana	Michigan	Mississippi	Montana
(Thousands of Dollars)											
1948 ¹	4,999	69,578	94	5,605	.....	6,051	953	46,003	238	1,687	370
1947.....	3,668	46,302	68	4,008	.....	3,827	656	26,777	248	915	216
1946.....	2,077	32,085	50	3,053	.....	2,455	472	16,636	216	.....	183
1945.....	2,585	29,473	21	3,560	.....	2,687	505	14,299	295	.....	187
1944.....	2,190	28,530	(²)	3,870	.....	2,600	650	18,635	210	.....	200
1943.....	1,867	24,287	25	4,072	.....	2,967	545	10,614	59	.....	180
1942.....	1,138	22,365	17	3,252	.....	2,373	438	8,809	120	.....	201
1941.....	1,173	24,067	18	2,693	.....	2,631	475	6,376	261	.....	177
1940.....	818	27,901	14	805	.....	1,295	350	2,552	162	.....	162
1939.....	962	35,454	13	229	.....	1,999	347	3,329	89	.....	154
1938.....	905	41,065	10	124	.....	1,603	364	3,026	107	.....	113
1937.....	577	37,719	16	153	.....	2,192	382	4,300	103	.....	161
1936.....	541	35,437	18	134	.....	1,542	346	2,945	106	.....	100
1935.....	570	29,778	15	141	.....	1,145	287	1,871	71	.....	151
1934.....	450	29,931	18	183	.....	796	177	1,141	15	.....	83
1933.....	602	22,820	14	194	.....	841	224	1,149	6	.....	100
1932.....	557	25,065	11	139	(³)	614	177	1,090	.....	.....	.....
1931.....	921	29,505	21	204	(³)	935	130	1,731	.....	.....	.....
1930.....	1,757	57,974	69	420	(³)	1,570	385	3,725	.....	.....	.....
1929.....	2,419	67,009	113	617	(³)	2,207	486	4,010	.....	.....	.....
1928.....	2,568	53,853	136	585	.....	2,444	575	3,434	.....	.....	.....
1927.....	2,281	52,436	64	532	.....	1,746	547	2,442	.....	.....	.....
1926.....	2,867	45,945	17	967	.....	2,105	914	3,692	.....	.....	.....
1925.....	2,420	32,743	4	1,102	.....	2,223	884	4,216	.....	.....	.....
1924.....	1,784	22,690	..	795	.....	913	769	3,887	.....	.....	.....
1923.....	1,916	16,564	..	851	.....	690	1,067	3,484	.....	.....	.....
1922.....	629	11,868	..	1,182	.....	435	926	4,113	.....	.....	.....
1921.....	.....	9,875	..	1,101	.....	565	835	1,812	.....	.....	.....
1920.....	.....	8,324	..	1,308	.....	829	1,072	1,713	.....	.....	.....
1919.....	.....	5,745	..	1,115	.....	621	1,145	1,667	.....	.....	.....
1918.....	.....	5,009	1	890	.....	594	660	1,179	.....	.....	.....
1917.....	.....	4,438	(⁵)	866	.....	241	763	815	.....	.....	.....
1916.....	.....	2,294	(⁵)	263	.....	35	141	270	.....	.....	.....
1915.....	.....	976	(⁵)	80	.....	(⁵)	(⁵)	(⁵)	.....	.....	.....
1914.....	.....	634	(⁵)	100	.....	(⁵)	(⁵)	..	.....	.....	.....
1913.....	.....	376	(⁵)	(⁵)	.....	(⁵)	(⁵)	.....	.....	.....	.....
1912.....	.....	113	(⁵)	(⁵)	.....	.....	(⁵)	.....	.....	.....	.....
1911.....	.....	(⁵)	(⁵)	(⁵)	.....	.....	(⁵)	.....	.....	.....	.....

VALUE OF NATURAL GASOLINE AND CYCLE PRODUCTS AT U. S. PLANTS, BY STATES, 1911-1948 —Continued—

(Thousands of Dollars)											
Year	New Mexico	New York	Ohio	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Total United States
1948 ¹	9,812	1	636	25,431	1,105	170,306	64	4,908	3,735	....	351,576
1947	9,026	1	399	18,690	831	109,297	47	3,339	2,759	....	228,174
1946	3,759	(²)	329	15,907	513	66,783	35	2,496	2,153	....	146,202
1945	4,794	(²)	369	15,223	752	65,923	52	2,766	2,079	....	145,570
1944	3,345	1	440	17,200	990	64,099	(³)	3,210	2,030 ¹	....	148,200
1943	3,302	1	362	15,663	893	52,775	35	3,155	1,698	....	122,500
1942	2,131	1	389	12,655	712	43,472	39	2,817	1,636	....	102,565
1941	2,049	1	401	16,084	705	44,066	45	2,717	1,876	....	105,815
1940	1,879	1	333	8,926	594	20,322	28	1,848	1,271	....	68,261
1939	1,696	1	351	15,502	499	25,807	26	2,017	1,575	....	90,050
1938	1,415	2	377	14,373	526	19,781	28	2,063	1,364	....	87,266
1937	1,493	2	460	20,272	701	24,329	19	2,528	1,718	....	97,125
1936	999	2	436	17,516	722	19,670	....	2,306	1,752	....	84,572
1935	699	2	358	14,593	628	17,050	....	2,070	1,511	....	70,940
1934	570	5	289	10,728	467	12,366	....	1,706	1,598	....	60,523
1933	654	5	256	12,177	568	11,562	....	1,803	1,387	4 ³	54,368
1932	377	10	229	8,803	535	8,168	....	1,612	1,833	4 ³	49,244
1931	419	9	271	12,755	706	11,887	....	2,436	1,797	5 ³	63,732
1930	169	19	605	29,148	1,229	23,596	....	4,151	3,338	5 ³	128,160
1929	71	22	923	42,766	1,376	26,561	....	6,285	3,241	4 ³	158,410
1928	107	45	1,146	40,959	1,570	22,492	....	6,220	2,775	3 ³	138,944
1927	109	38	1,062	29,114	1,648	18,347	....	5,421	2,899	2 ³	118,688
1926	146	66	1,402	41,433	2,454	22,760	....	7,706	3,934	4 ³	136,412
1925	....	46	990	40,973	2,185	22,606	....	6,759	3,227	5 ³	120,383
1924	....	50	1,148	23,338	2,266	14,460	....	7,154	2,979	....	82,233
1923	....	44	1,446	23,012	2,560	14,752	....	8,890	1,992	....	77,268
1922	....	61	1,301	24,914	3,145	12,115	....	9,771	2,251	....	72,111
1921	....	52	1,547	22,066	3,354	9,118	....	9,890	1,600	....	61,581
1920	....	75	2,194	31,334	4,382	5,771	....	13,050	1,736	....	71,788
1919	....	84	1,964	32,565	4,407	1,772	....	12,180	932	....	64,197
1918	....	55	1,356	28,389	3,249	1,215	....	7,499	268	....	50,364
1917	....	(⁶)	1,051	21,542	2,778	1,150	....	6,512	....	33	40,189
1916	....	(⁶)	471	5,665	1,726	201	....	3,025	....	40	14,331
1915	....	(⁶)	167	2,361	570	....	....	927	....	70	5,751
1914	....	(⁶)	184	1,113	359	....	....	692	....	24	3,106
1913	....	(⁶)	212	578	405	....	....	808	....	79	2,458
1912	....	(⁶)	173	99	217	....	....	513	....	42	1,157
1911	....	(⁶)	118	21	110	....	....	263	....	20	532

¹ Preliminary.

² Wyoming includes Colorado and Utah in 1944.

³ Includes Alaska only.

⁴ Less than \$500.

⁵ Included with "other states."

Authority: Bureau of Mines

1948 U. S. Demand for Natural Gasoline 42 Per Cent Above 1944

U. S. SUPPLY OF AND DEMAND FOR NATURAL GASOLINE,² BY YEARS

(Thousands of Barrels)

Year	Production	Changes in Stocks	U. S. Demand						U. S. Demand Plus Exports
			Used at Refineries ³	Sold to Jobbers and Retailers	Sales of Liquefied Petroleum Gas			Total U. S. Demand	
					For Fuel	For Chemical Manufacture	Other Uses Plus Losses		
1948 ¹	145,479	+ 1,284	87,686	13,150	34,315	6,790	2,804	144,745	3,649
1947.....	132,173	+ 686	81,874	13,004	28,873	5,768	2,489	132,008	3,717
1946.....	115,739	+ 659	76,964	10,346	20,491	4,986	2,073	114,860	2,899
1945.....	112,004	+ 129	84,241	7,872	15,921	4,057	1,448	113,539	749
1944.....	100,046	- 289	76,791	6,029	14,497	2,299	2,407	102,023	675
1943.....	87,716	- 91	68,292	6,956	11,589	(4)	2,289	89,126	562
1942.....	83,322	+ 195	63,943	9,900	7,195	(4)	2,044	83,082	1,042
1941.....	80,855	- 1,429	64,950	9,579	6,281	(6)	1,871	82,681	1,209
1940.....	55,700	+ 1,283	39,547	6,745	.....	(6)	6,422	52,714	1,703
1939.....	51,650	- 409	39,606	4,073	.....	(6)	4,269	49,948	4,111
1938.....	51,347	+ 72	39,961	4,220	.....	.....	4,196	48,377	6,117
1937.....	49,177	+ 703	39,381	4,084	.....	.....	1,475	44,940	3,534
1936.....	42,770	+ 357	33,817	3,315	.....	.....	2,732	39,864	2,549
1935.....	39,333	- 518	31,025	2,770	.....	.....	2,833	36,628	3,223
1934.....	36,556	+ 60	28,162	3,457	.....	.....	3,233	34,852	1,644
1933.....	33,810	+ 114	25,346	2,289	.....	.....	3,490	31,125	2,571
1932.....	36,281	+ 378	26,332	4,063	.....	.....	3,892	34,287	1,616
1931.....	43,617	- 287	35,116	.....	.....	.....	8,788	43,904	.....
1930.....	52,631	+ 46	43,170	.....	.....	.....	9,397	52,567	.....
1929.....	53,183	- 38	46,457	.....	.....	.....	6,764	53,221	.....
1928.....	43,191	- 123	35,223	.....	.....	.....	8,091	43,314	.....
1927.....	39,075	+ 301	32,162	.....	.....	.....	6,612	38,774	.....
1926.....	32,455	+ 100	27,696	.....	.....	.....	4,659	32,355	.....
1925.....	26,845	- 1	19,636	.....	.....	.....	7,210	26,846	.....
1924.....	22,235	.....	14,746	.....	.....	.....	7,489	22,235	.....
1923.....	19,434	.....	6,687	.....	.....	.....	12,747	19,434	.....
1922.....	12,044	.....	3,662	.....	.....	.....	8,382	12,044	.....
1921.....	10,713	.....	2,517	.....	.....	.....	8,196	10,713	.....
1920.....	9,161	.....	3,153	.....	.....	.....	6,008	9,161	.....
1919.....	8,370	.....	2,957	.....	.....	.....	5,413	8,370	.....
1918.....	6,727	.....	2,451	.....	.....	.....	4,276	6,727	.....

¹ Preliminary.

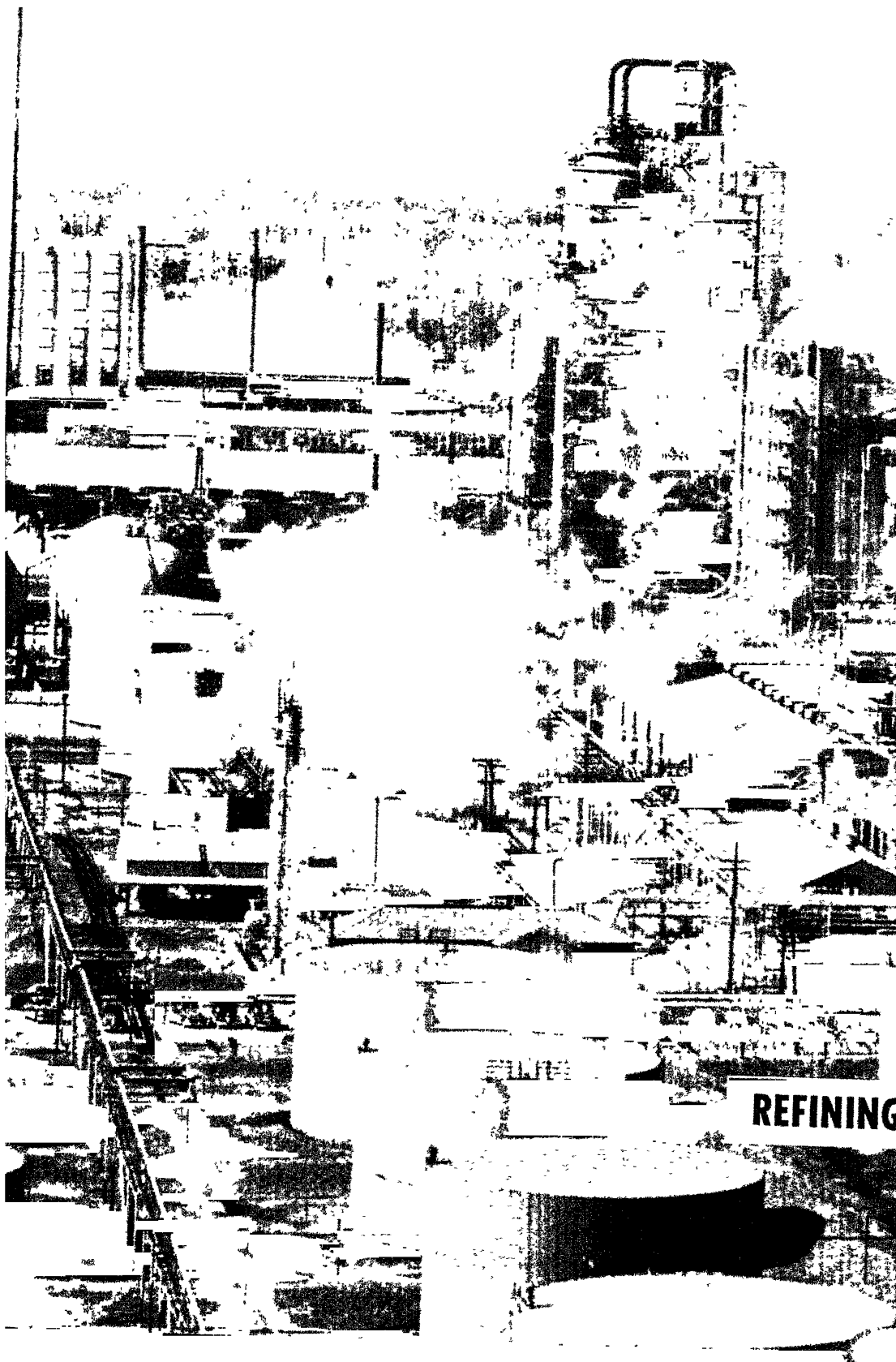
² Beginning with 1941, includes LPG (liquefied petroleum gas) and cycle products. Previous to that, these two items were relatively unimportant, and were only partly included.

³ Includes some benzol blended in recent years.

⁴ Included in shipments to refineries.

⁵ Included in other uses and losses.

Authority: Bureau of Mines



REFINING

NOTE Footnote (1) is used throughout the book to indicate a preliminary figure

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MISCELLANEOUS STATISTICS OF THE U. S. PETROLEUM-REFINING INDUSTRY IN 1947, BY REGIONS

Region	Number of Establishments	All Employees		Production and Related Workers			Value Added by Manufacture (Thousands of Dollars)	Cost of Materials (Thousands of Dollars)	Value of Products Shipped (Thousands of Dollars)	Expenditures for New Plant and Equipment (Thousands of Dollars)
		Number (Average for Year)	Total Salaries and Wages (Thousands of Dollars)	Number (Average for Year)	Total Man-Hours	Total Wages (Thousands of Dollars)				
New England ¹	6	983	3,690	740	1,776	2,697	13,953	58,423	70,376	919
Middle Atlantic:	46	29,911	113,574	23,404	49,052	85,441	334,588	948,682	1,283,270	46,947
New York	8	3,156	11,226	2,634	5,231	8,940	28,241	130,505	158,746	1,292
New Jersey	10	1,277	4,639	9,307	20,312	35,863	167,827	365,615	533,442	13,671
Pennsylvania	27	15,478	57,709	11,463	23,509	40,638	138,520	452,562	591,082	31,984
East North Central:	68	26,574	98,875	20,405	42,108	73,172	258,397	848,011	1,106,408	94,983
Ohio	16	3,616	13,912	2,789	6,334	10,173	50,487	191,586	242,073	10,526
Indiana	10	12,137	45,463	9,391	18,417	33,871	78,371	258,289	336,660	66,035
Illinois	16	9,307	33,635	7,114	14,713	25,073	101,871	305,411	407,282	16,261
Others ²	24	1,520	5,865	1,131	2,644	4,055	27,668	92,725	120,393	2,161
West North Central ¹	31	5,625	18,699	4,416	10,581	14,231	56,397	191,004	247,401	21,258
South Atlantic ¹	11	2,309	7,600	1,824	3,235	5,453	22,633	110,400	133,033	2,449
East South Central ¹	14	1,205	4,030	921	2,176	2,915	21,470	58,702	80,172	1,029
West South Central:	134	56,090	207,281	43,822	89,631	150,398	556,304	2,005,847	2,562,151	97,255
Arkansas	7	1,118	3,303	845	1,811	2,443	15,007	34,642	49,649	1,708
Louisiana	16	11,453	45,793	8,146	16,774	25,431	114,162	365,537	479,699	20,711
Oklahoma	27	7,202	22,709	6,143	12,632	18,883	77,711	200,284	277,995	7,830
Texas	84	36,317	135,476	28,688	58,414	103,641	349,424	1,405,384	1,754,808	67,006
West:	127	23,109	82,032	18,315	38,947	61,929	230,732	910,165	1,140,897	51,530
Wyoming	22	2,230	8,255	1,587	3,242	5,824	18,363	53,999	72,362	9,061
California	68	18,813	66,362	15,120	32,119	50,628	187,034	780,303	967,337	39,085
Others ²	37	2,066	7,415	1,608	3,586	5,477	25,335	75,863	101,198	3,414
U. S. total	437	145,806	535,781	113,847	237,506	396,236	1,494,474	5,129,234	6,623,708	316,370

¹ For each producing state not shown separately in the table, there are shown below the number of establishments and, in parenthesis, the number of employees for states represented by three or more companies. Other data not made available by the Bureau of the Census—

New England: Massachusetts, 3 (655); Rhode Island, 3 (328).
 East North Central: Michigan, 22; Wisconsin, 2.
 West North Central: Minnesota, 3; Missouri, 1; Nebraska, 6 (144); Kansas, 21 (4,357).
 South Atlantic: Delaware, 1; Maryland, 3 (1,431); Virginia, 1; West Virginia, 4 (607); South Carolina, 1; Georgia, 1.
 East South Central: Kentucky, 8 (934); Tennessee, 2; Alabama, 2; Mississippi, 2.
 West: Montana, 11 (566); Idaho, 1; Colorado, 9 (243); New Mexico, 8 (289); Arizona, 1; Utah, 3 (648); Washington, 3 (151); Oregon, 1.

Authority 1947 Census of Manufactures

MISCELLANEOUS STATISTICS OF THE U. S. PETROLEUM-REFINING INDUSTRY, BY YEARS, 1899-1947

Year	Number of Establishments	All Employees			Production and Related Workers			Value Added by Manufacture (Thousands of Dollars)	Cost of Materials (Thousands of Dollars)	Value of Products Shipped (Thousands of Dollars)
		Number (Average for Year)	Total		Number (Average for Year)	Total Wages (Thousands of Dollars)				
			Salaries and Wages (Thousands of Dollars)	Wages (Thousands of Dollars)						
1947	437	145,806	535,781	113,847	396,236	1,494,474	5,129,234	6,623,708		
1939 ¹	518	(³)	(³)	72,982	128,420	528,375	1,933,521	2,462,496		
1937	365	98,450	176,808	73,182	140,415	482,439	2,064,307	2,546,746		
1935	395	92,111	143,452	77,402	109,611	356,866	1,481,936	1,838,622		
1933	389	78,862	111,361	69,047	89,793	314,200	1,064,437	1,378,637		
1931	376	(³)	(³)	68,824	107,474	313,768	1,210,517	1,524,285		
1929	390	94,393	164,755	80,596	131,177	608,324	2,031,341	2,639,665		
1927	354	83,293	144,617	71,234	113,717	389,852	1,752,997	2,142,649		
1925	359	76,527	132,286	65,324	104,645	486,979	1,889,678	2,376,657		
1923	382	82,759	138,402	66,717	103,834	368,647	1,425,053	1,793,700		
1921	366	74,228	130,197	63,189	102,294	345,270	1,382,170	1,727,440		
1919	320	73,414	116,369	58,989	89,750	384,625	1,247,908	1,632,533		
1917	226	31,625	27,290	25,366	19,397	71,096	325,265	396,361		
1914	176	16,598	13,759	13,929	9,830	37,725	199,273	236,998		
1909	147	16,598	13,759	13,929	9,830	37,725	199,273	236,998		
1904	98	18,744	12,713	16,770	9,989	35,618	139,387	175,005		
1899	67	13,400	8,528	12,199	6,717	21,070	102,859	123,929		
Refining new oils ² :										
1947	391	145,386	534,336	113,513	395,193	1,490,446	5,126,034	6,616,480		
1939	485	100,972	190,547	72,840	128,214	527,862	1,933,265	2,461,127		
Rerefining used oils ² :										
1947	46	420	1,445	334	1,043	4,028	3,200	7,222		
1939	33	(³)	(³)	142	206	713	656	1,369		

¹ Beginning with 1947, the Bureau of the Census has included, in its petroleum-refining classification, those establishments primarily engaged in rerefining used oils. Formerly this classification included only those establishments primarily engaged in producing gasoline, fuel oils, lubricating oils, and other products from crude oil. In order to make 1939 comparable with 1947, reports from rerefiners were retabulated. No separate figures are available for other years.

Authority: Bureau of the Census.

Gasoline Is Leading Petroleum Product

PRODUCTION OF PETROLEUM PRODUCTS IN U. S. REFINERIES, BY YEARS, 1918-1949

(Thousands of Barrels)

Year	Finished Gasoline	Kerosine	Distillate Fuel Oil	Residual Fuel Oil	Lubricants	Wax (Thou-sands of Pounds)	Coke (Thou-sands of Short Tons)	Asphalt (Thou-sands of Short Tons)	Still Gas (Million Cubic Feet)	Road Oil	All Other Finished Products	Un-finished Gasoline	Other Un-finished Oils	Losses
1949 ¹	939,051	102,152	339,530	424,829	45,389	898,240	3,392	8,910	297,436	7,691	28,440	—	418	585
1948	895,986	121,914	379,340	479,988	51,416	984,200	2,899	9,440	292,172	7,916	30,605	—	464	2,768
1947	814,841	110,412	312,173	441,795	51,768	1,014,720	2,415	8,961	308,030	7,074	24,348	—	984	4,222
1946	748,411	104,385	287,866	431,464	45,645	840,840	2,124	8,166	317,290	6,175	22,539	—	108	1,695
1945	774,460	81,024	249,224	469,492	41,867	817,880	2,023	7,127	372,449	2,686	19,080	—	4,892	6,954
1944	722,718	78,344	239,152	461,455	41,105	807,240	1,803	6,996	368,061	1,556	18,436	—	1,745	13,177
1943	592,425	72,270	211,516	417,308	38,679	755,160	1,388	6,757	312,318	2,295	9,660	—	1,009	9,623
1942	586,971	67,474	196,714	355,901	38,626	700,560	1,338	6,297	284,126	8,039	8,117	—	1,669	4,791
1941	671,110	72,586	189,177	342,367	39,539	670,040	1,649	6,558	300,074	9,149	6,266	—	1,219	—1,250 ²
1940	597,375	73,862	183,504	316,221	36,765	513,240	1,527	5,347	273,420	7,771	3,202	—	902	3,313
1939	596,501	68,521	161,746	305,944	35,036	464,520	1,666	4,954	261,360	7,868	2,359	—	439	5,623
1938	556,012	64,580	151,774	299,890	30,828	435,400	1,602	4,341	250,382	7,543	1,921	—	1,616	4,242
1937	559,141	65,308	151,774	312,064	35,321	521,640	1,307	4,182	241,981	8,087	2,382	—	128	6,256
1936	564,811	56,062	152,906	287,968	30,927	472,920	1,378	3,869	226,466	7,398	2,148	—	486	8,719
1935	457,842	55,813	100,235	259,826	27,853	450,240	1,458	3,115	197,220	6,030	1,898	—	1,032	11,493
1934	416,922	53,855	94,972	240,381	26,373	468,720	1,300	2,841	169,479	6,210	1,872	—	3,007	16,073
1933	397,623	48,977	78,920	237,519	23,775	469,560	1,580	2,320	170,853	5,534	1,435	—	4,547	16,793
1932	391,623	43,836	69,467	225,283	22,433	458,920	1,789	2,475	160,812	6,879	1,738	—	1,867	20,652
1931	331,510	42,446	83,882	253,085	26,704	477,400	2,032	2,977	154,086	5,177	4,150	—	3,269	19,070
1930	432,241	49,208	81,551	290,947	34,201	547,680	1,940	3,308	23,000	5,425	2,377	—	....	37,003
1929	435,078	55,940	448,949	....	34,359	630,074	1,821	3,469	....	....	....	....	....	35,064
1928	376,945	59,353	427,237	....	34,658	630,144	1,427	3,297	....	....	....	....	....	29,040
1927	330,435	56,113	393,066	....	31,721	584,347	1,145	3,418	....	....	....	....	....	28,398
1926	299,734	61,768	365,195	....	32,293	645,815	995	2,923	....	....	....	....	....	26,928
1925	259,601	59,689	364,991	....	31,055	590,577	991	2,677	....	....	....	....	....	22,914
1924	215,401	60,026	320,476	....	27,498	516,491	761	2,546	....	....	....	....	....	19,590
1923	181,103	55,927	287,481	....	26,128	466,647	673	2,327	....	....	....	....	....	18,921
1922	147,672	54,913	254,910	....	23,304	462,003	707	1,895	....	....	....	....	....	18,562
1921	122,704	46,313	230,091	....	20,896	434,884	605	1,215	....	....	....	....	....	19,558
1920	116,251	55,240	210,987	....	24,938	541,204	577	1,291	....	....	....	....	....	18,743
1919	94,235	55,753	181,602	....	20,161	467,235	604	902	....	....	....	....	....	16,015
1918	85,007	43,461	174,319	....	20,035	505,144	560	608	....	....	....	....	....	14,556

¹ Preliminary.

² Negative quantity; overage.

Authority: Bureau of Mines

U. S. Refineries Process Over Two Billion Barrels Annually

CRUDE-OIL RUNS TO STILL AND REFINERY PRODUCTION, IN THE UNITED STATES, 1918-1949

	(Thousands of Barrels)						
<i>Input:</i>	1949 ¹	1948	1947	1946	1945	1944	1943
Crude petroleum							
Domestic	1,789,842	1,924,335	1,754,987	1,645,845	1,645,862	1,622,514	1,417,559
Foreign	155,677	124,014	97,259	84,352	73,672	43,170	12,179
Total	1,945,519	2,048,349	1,852,246	1,730,197	1,719,534	1,665,684	1,429,738
Natural gasoline	85,457	76,218	70,692	62,861	70,324	67,207	61,198
Total input	2,030,976	2,124,567	1,922,938	1,793,058	1,789,858	1,732,891	1,490,936
<i>Output:</i>							
Gasoline	939,051	895,986	814,841	748,411	774,460	722,718	592,425
Kerosine	102,152	121,914	110,412	104,385	81,024	78,344	72,270
Distillate fuel oil....	339,530	379,340	312,173	287,896	249,224	239,152	211,516
Residual fuel oil....	424,829	479,988	447,795	431,364	469,492	461,455	417,306
Lubricating oil.....	45,389	51,416	51,765	45,645	41,867	41,106	38,679
Wax ²	3,208	3,515	3,624	3,003	2,921	2,883	2,697
Coke ²	16,959	14,494	12,077	10,621	10,115	9,017	6,942
Asphalt ²	49,007	51,919	49,286	44,911	39,196	38,479	37,162
Still gas ²	82,621	81,159	85,564	88,136	103,458	102,239	86,755
Road oil	7,691	7,916	7,074	6,175	2,686	1,556	2,295
Other finished products	28,440	30,605	24,348	22,539	19,080	18,436	9,660
Crude gasoline (net)..	— 418 ³	— 917 ³	984	— 108 ³	— 4,892 ³	1,745	1,009
Other unfinished oil (net)	— 8,068 ³	4,464	— 1,227 ³	— 1,615 ³	— 5,727 ³	2,584	2,597
Shortage	585	2,768	4,222	1,695	6,954	13,177	9,623
Total output ...	2,030,976	2,124,567	1,922,938	1,793,058	1,789,858	1,732,891	1,490,936

<i>Input:</i>	1942	1941	1940	1939	1938	1937	1936
Crude petroleum							
Domestic	1,319,507	1,358,246	1,252,364	1,204,350	1,138,828	1,157,444	1,034,637
Foreign	14,596	50,948	41,798	33,490	26,187	25,996	33,933
Total	1,334,103	1,409,192	1,294,162	1,237,840	1,165,015	1,183,440	1,068,570
Natural gasoline	56,595	47,825	39,547	39,606	39,961	39,381	33,817
Total input	1,390,698	1,457,017	1,333,709	1,277,446	1,204,976	1,222,821	1,102,387
<i>Output:</i>							
Gasoline	586,971	671,110	597,375	596,501	556,012	559,141	504,811
Kerosine	67,474	72,586	73,882	68,521	64,580	65,308	56,082
Distillate fuel oil....	196,714	189,177	183,304	161,746	151,774	146,706	125,906
Residual fuel oil....	358,901	342,367	316,221	305,944	294,890	312,064	287,968
Lubricating oil.....	38,626	39,539	36,765	35,036	30,826	35,321	30,927
Wax ²	2,502	2,393	1,833	1,659	1,555	1,863	1,689
Coke ²	6,692	8,244	7,633	8,332	8,011	6,533	6,891
Asphalt ²	34,631	36,067	29,406	27,248	23,378	23,001	21,278
Still gas ²	78,924	83,354	75,950	68,779	65,890	64,218	57,046
Road oil	8,039	9,149	7,771	7,868	7,543	8,087	7,398
Other finished products	8,117	6,266	3,202	2,359	1,921	2,382	2,148
Crude gasoline (net)..	1,669	1,219	902	— 439 ³	— 1,616 ³	— 128 ³	486
Other unfinished oil (net)	— 3,353 ³	— 3,204 ³	— 3,848 ³	— 11,731 ³	— 4,530 ³	— 7,931 ³	— 8,962 ³
Shortage	4,791	— 1,250 ⁴	3,313	5,623	4,242	6,256	8,719
Total output....	1,390,698	1,457,017	1,333,709	1,277,446	1,204,976	1,222,821	1,102,387

CRUDE-OIL RUNS TO STILLs AND REFINERY PRODUCTION, IN THE UNITED STATES, 1918-1949—Continued

(Thousands of Barrels)

Input:	1935	1934	1933	1932	1931	1930	1929	1928	1927
Crude petroleum									
Domestic	933,659	860,776	825,786	777,696	847,671	866,615	912,191	835,711	778,729
Foreign	32,131	34,860	35,468	42,301	46,937	60,832	75,517	77,584	50,106
Total	965,790	895,636	861,254	819,997	894,608	927,447	987,708	913,295	828,835
Natural gasoline	31,025	28,162	25,346	26,332	35,116	43,170	46,457	35,223	32,162
Total input	996,815	923,798	886,600	846,329	929,724	970,617	1,034,165	948,518	860,997

Output:									
Gasoline	457,842	416,932	401,591	392,623	431,510	432,241	435,076	376,945	330,435
Kerosine	55,813	53,855	48,977	43,836	42,448	49,208	55,940	59,353	56,113
Distillate fuel oil....	100,235	94,972	78,920	69,467	83,882	81,551	428,219	427,237	393,066
Residual fuel oil....	259,826	240,381	237,519	225,283	253,085	290,947			
Lubricating oil.....	27,853	26,373	23,775	22,433	26,704	34,201	34,359	34,658	31,721
Wax ²	1,608	1,674	1,677	1,639	1,705	1,956	(⁵)	(⁵)	2,089
Coke ²	7,290	6,500	7,900	9,123	10,363	9,895	(⁵)	(⁵)	5,858
Asphalt ²	17,133	15,623	12,757	13,612	16,371	18,194	(⁵)	(⁵)	18,793
Still gas ²	51,184	44,391	45,212	40,905	38,630				
Road oil	6,030	6,210	5,534	6,879	5,177	5,425			
Other finished products	1,888	1,872	1,435	1,738	4,150	7,754	9,924	9,402	7,405
Crude gasoline (net) ..	1,032	-3,007 ³							
Other unfinished oil (net)	-2,412 ³	1,949	4,547	-1,861 ³	-3,369 ³	2,242	-15,969 ³	-15,970 ³	-12,879 ³
Shortage	11,493	16,073	16,756	20,652	19,070	37,003	35,064	29,040	28,396
Total output....	996,815	923,798	886,600	846,329	929,724	970,617	(⁵)	(⁵)	860,997

Input:	1926	1925	1924	1923	1922	1921	1920	1919	1918
Crude petroleum									
Domestic	734,301	698,582	597,954	538,252	425,823	368,037	372,779	327,533	324,618
Foreign	44,963	41,338	45,765	42,986	74,883	75,326	61,136	33,987	1,407
Total	779,264	739,920	643,719	581,238	500,706	443,363	433,915	361,520	326,025
Natural gasoline	27,696	19,636	14,746	6,687	3,662	2,517	3,153	2,957	2,451
Total input	806,960	759,556	658,465	587,925	504,368	445,880	437,068	364,477	328,476

Output:									
Gasoline	299,734	259,601	215,401	181,103	147,672	122,704	116,251	94,235	85,007
Kerosine	61,768	59,689	60,026	55,927	54,913	46,313	55,240	55,753	43,461
Distillate fuel oil....	365,195	364,991	320,476	287,481	254,910	230,091	210,987	181,602	174,319
Residual fuel oil....									
Lubricating oil.....	32,293	31,055	27,498	26,128	23,304	20,896	24,938	20,161	20,035
Wax ²	2,310	2,135	1,861	1,684	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Coke ²	5,316	5,281	4,085	3,717	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Asphalt ²	16,454	15,067	4,196	12,888	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Still gas ²									
Road oil									
Other finished products	8,030	8,044	8,252	5,086	40,201	28,629	35,538	30,449	30,636
Crude gasoline (net) ..									
Other unfinished oil (net)	-11,068 ³	-9,221 ³	-2,920 ³	-5,010 ³					
Shortage	26,928	22,914	19,590	18,921	18,562	19,558	18,743	16,015	14,556
Total output....	806,960	759,556	658,465	587,925	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)

¹ Preliminary.
² Conversion factors—wax, 280 lb per barrel; coke, 5.0 bbl per short ton; asphalt, 5.5 bbl per short ton; still gas, 3,600 cu ft per barrel.
³ Negative quantity; represents net excess of unfinished oils rerun over unfinished oils produced.
⁴ Negative quantity; represents excess output over input.
⁵ No factor available for conversion to barrels.
⁶ Total unavailable because of lack of conversion factor. See footnote (5).

Authority: Bureau of Mines

Since 1930 Texas Leads Nation in Crude-Oil Runs to Stills

CRUDE OIL RUN BY U. S. REFINERIES, BY REFINERY DISTRICTS,¹ 1916-1949

(Thousands of Barrels)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas ²	Louisiana and Arkansas	Rocky Mountain	California	Total Crude Oil Run by U. S. Refineries	Domestic Crude Oil Run by U. S. Refineries	Foreign Crude Oil Run by U. S. Refineries
1949 ¹	280,357	56,551	333,954	155,216	548,683	185,185	64,660	320,913	1,945,519	1,789,842	155,677
1948 ⁴	317,257	57,637	332,233	165,249	599,496	188,982	60,002	327,493	2,048,349	1,924,335	124,014
1947 ⁴	297,315	60,377	301,357	153,050	521,606	164,765	52,343	301,433	1,852,246	1,754,987	97,259
1946 ⁴	276,651	55,756	279,810	138,385	503,431	143,182	48,044	284,938	1,730,197	1,645,845	84,352
1945 ⁴	273,667	56,199	275,853	139,176	487,927	127,246	45,944	313,522	1,719,534	1,645,862	73,672
1944....	257,046	56,349	278,785	133,106	491,920	112,509	41,254	294,715	1,665,684	1,622,514	43,170
1943....	194,219	54,900	265,234	124,167	407,992	84,253	35,105	263,868	1,429,738	1,417,559	12,179
1942....	161,142	57,392	264,220	129,382	375,133	81,867	34,469	230,164	1,333,769	1,319,173	14,596
1941....	217,046	53,499	251,257	127,130	429,892	83,665	33,570	213,133	1,409,192	1,358,246	50,946
1940....	204,590	48,225	225,847	114,847	399,725	69,870	30,156	201,023	1,294,283	1,252,485	41,798
1939....	192,381	43,767	191,634	112,409	399,233	73,456	26,306	198,654	1,237,840	1,204,350	33,490
1938....	180,606	39,180	163,140	111,143	374,829	70,992	24,791	200,334	1,165,015	1,138,828	26,187
1937....	198,080	40,286	164,243	121,238	357,429	75,654	23,365	203,145	1,183,440	1,157,444	25,996
1936....	185,479	38,665	147,724	114,667	301,239	70,315	20,738	189,743	1,068,570	1,034,637	33,933
1935....	170,277	38,454	129,798	107,672	257,690	58,837	19,009	177,849	965,790	933,659	32,131
1934....	171,733	35,809	119,166	95,006	241,359	60,191	16,037	156,335	895,636	860,776	34,860
1933....	166,932	33,567	117,073	96,541	218,145	57,519	14,209	157,268	861,254	825,786	35,468
1932....	162,534	34,136	106,758	87,170	196,578	54,150	13,934	164,737	819,997	777,696	42,301
1931....	168,790	36,372	115,442	105,050	217,356	59,911	18,679	173,008	894,608	847,671	46,937
1930....	172,320	32,056	109,519	110,989	215,312	61,494	20,929	204,828	927,447	866,615	60,832
1929....	172,434	33,802	110,349	115,449	211,693	75,428	25,443	243,110	987,708	912,191	75,517
1928....	170,506	33,643	98,905	111,342	186,076	75,540	26,061	211,222	913,295	835,711	77,584
1927....	150,559	28,941	75,807	101,871	167,095	70,444	25,026	209,092	828,335	778,729	50,106
1926....	130,643	28,502	69,707	96,506	156,110	71,012	29,205	197,579	779,264	734,301	44,963
1925....	128,491	25,118	67,159	97,612	144,282	66,997	26,164	184,097	739,920	698,582	41,338
1924....	135,202	21,958	56,399	79,701	125,025	49,417	26,737	149,280	643,719	597,954	45,765
1923....	116,759	21,352	51,276	70,289	103,374	40,806	27,176	150,206	581,238	538,252	42,986
1922....	100,525	20,661	45,606	70,934	100,696	34,865	24,391	103,028	500,706	425,823	74,883
1921....	96,846	19,289	38,338	63,387	91,928	31,419	16,406	85,750	443,363	368,037	75,326
1920....	93,636	21,426	41,528	69,945	89,591	24,892	16,151	76,746	433,915	372,779	61,136
1919....	74,870	20,483	29,598	61,992	67,746	21,198	12,700	72,933	361,520	327,533	33,987
1918....	64,120	18,805	22,184	60,805	59,354	22,379	11,913	66,465	326,025	324,618	1,407
1917....	58,132	18,486	25,378	56,492	74,859 ⁵	...	8,835	72,950	315,132	315,132	(⁶)
1916....	45,694	17,216	26,407	36,906	52,149 ⁵	...	5,670	62,950	246,992	246,992	(⁶)

¹ Preliminary.

² Refinery districts here used are those of the Bureau of Mines.

³ Crude runs in Texas Inland and Texas Gulf Coast districts have been combined.

⁴ Revised. California figures on new basis to agree with 1949; includes heavy crude previously considered as non-refinable fuel oil; 1947 and prior years on old basis.

⁵ Includes all of Arkansas and Louisiana.

⁶ Not available.

Authority: Bureau of Mines.

CRUDE OIL RUN BY U. S. REFINERIES, BY REFINERY DISTRICTS AND BY MONTHS IN 1949¹

1 Preliminary.

Authority: Bureau of Mines.

CRUDE OIL RUN BY U. S. REFINERIES, BY MONTHS AND YEARS, 1940-1949

(Thousands of Barrels)

Month	1949 ¹	1948 ²	1947	1946	1945	1944	1943	1942	1941	1940
January ...	175,295	167,311	146,897	140,130	145,071	133,161	111,606	119,032	110,683	106,530
February ..	153,440	157,366	134,953	130,232	134,882	126,993	101,935	105,870	100,445	101,742
March	165,919	168,103	150,120	144,486	146,285	137,902	112,013	110,725	111,059	110,034
April	154,223	167,402	141,210	139,884	143,221	132,330	111,945	104,962	111,106	106,927
May	161,053	176,998	153,348	148,621	152,295	139,537	115,005	106,883	119,435	111,817
June	154,861	170,431	153,604	145,069	149,682	139,937	115,984	105,376	115,935	108,237
July	160,358	176,277	161,844	150,541	155,040	143,434	120,689	111,555	121,180	107,902
August	162,485	176,023	163,068	150,550	152,771	143,047	126,908	114,135	124,572	108,756
September..	162,812	161,779	159,771	145,181	128,236	140,453	126,088	113,474	121,481	107,756
October ...	166,568	174,889	162,854	146,816	131,567	143,720	129,036	116,351	126,772	109,394
November ..	158,782	171,873	158,719	140,514	138,705	140,045	126,473	112,368	121,539	105,364
December ..	169,723	179,897	165,858	148,171	141,779	145,125	132,056	113,342	124,985	109,703
Yearly total ..	1,945,519	2,048,349	1,852,246	1,730,197	1,719,534	1,665,684	1,429,738	1,334,103	1,409,192	1,294,162

¹ Preliminary.

² On new basis; see footnote (2), p. 221.

Authority: Bureau of Mines.

1949 Motor-Fuel Production 10 Times 1918 Production

U. S. PRODUCTION OF MOTOR FUEL, BY METHODS AND BY YEARS, 1916-1949

(Thousands of Barrels)

Year	Gasoline from Crude Oil			Natural Gasoline Blended ²	Total Finished Gasoline at Refineries	Other Natural Gasoline	Benzol Produced	Total Motor-Fuel Production
	Gasoline by Straight Distillation ⁵	Gasoline by Cracking ⁵	Total Gasoline from Crude Oil					
1949 ¹.....	....	....	853,594	85,457	939,051	22,551	189	961,791
1948.....	....	....	819,768	76,218	895,986	25,579	358	921,923
1947.....	....	....	744,149	70,692	814,841	24,467	690	839,998
1946.....	....	....	685,550	62,861	748,411	26,102	2,070	776,583
1945.....	302,347	401,789	704,136	70,324	774,460	20,854	2,880	798,194
1944.....	269,944	385,567	655,511	67,207	722,718	14,222	2,400	739,340
1943.....	216,773	314,454	531,227	61,198	592,425	13,355	2,400	608,180
1942.....	233,448	296,928	530,376	56,595	586,971	19,532	2,397	608,900
1941.....	279,272	344,013	623,285	47,825	671,110	26,749	3,435	701,294
1940.....	263,463	294,365	557,828	39,547	597,375	16,153	3,167	616,695
1939.....	261,592	295,303	556,895	39,606	596,501	12,044	2,498	611,043
1938.....	245,580	270,471	516,051	39,961	556,012	11,386	1,764	569,162
1937.....	251,624	268,136	519,760	39,381	559,141	9,796	2,790	571,727
1936.....	231,344	239,650	470,994	33,817	504,811	8,953	2,502	516,266
1935.....	219,280	207,537	426,817	31,025	457,842	8,308	1,871	468,021
1934.....	206,337	182,433	388,770	28,162	416,932	8,394	1,708	427,034
1933.....	195,622	180,623	376,245	25,346	401,591	8,464	1,368	411,423
1932.....	195,386	170,905	366,291	26,332	392,623	9,949	1,031	403,603
1931.....	219,957	176,437	396,394	35,116	431,510	8,501	1,826	441,837
1930.....	224,628	164,443	389,071	43,170	432,241	9,461	2,689	444,391
1929.....	244,894	143,727	388,621	46,457	435,078	6,726	3,055	444,859
1928.....	219,168	122,554	341,722	35,223	376,945	7,968	2,809	387,722
1927.....	197,047	101,226	298,273	32,162	330,435	6,913	2,562	339,910
1926.....	178,302	93,736	272,038	27,696	299,734	4,759	2,112	306,605
1925.....	171,382 ³	68,583 ³	239,965	19,636	259,601	7,209	1,857	268,667
1924.....	166,295	34,360	200,655	14,746	215,401	7,489	2,203	225,093
1923.....	146,076	28,340	174,416	6,687	181,103	12,747	2,327	196,177
1922.....	118,630	25,380	144,010	3,662	147,672	8,382	1,688	157,742
1921.....	98,937	21,250	120,187	2,517	122,704	8,196	1,348	132,248
1920.....	96,948	16,150	113,098	3,153	116,251	6,008	1,771	124,030
1919.....	75,788	15,490	91,278	2,957	94,235	5,413	1,497	101,145
1918.....	70,766	11,790	82,556	2,451	85,007	4,276	1,273	90,556
1917.....	....	9,850 ⁴	....	....	67,870	....	....	....
1916.....	....	6,950 ⁴	....	....	49,021	....	....	....

¹ Preliminary.

² Natural gasoline blended and run through pipe lines. In recent years natural gasoline has included other light products such as cycle products.

³ In 1925 and prior years, breakdown of cracked and straight-run gasoline are estimated figures.

⁴ Estimates of cracked-gasoline production; no other breakdowns available.

⁵ Since 1946 the Bureau of Mines no longer reports gasoline by distillation and by cracking; now reported as refinery gasoline and naphtha.

Authority: Bureau of Mines.

U. S. 1949 Motor-Fuel Production Meets Highest Demand in History

U. S. SUPPLY OF AND DEMAND FOR MOTOR FUEL, BY YEARS, 1916-1949

(Thousands of Barrels)

Year	Production	Imports	Exports	Stocks (End of Year)	U. S. Demand
1949 ¹	961,791	....	39,474	118,274	912,960
1948.....	921,923	302	37,302	109,335	871,270
1947.....	839,998	358	47,449	96,599	795,015
1946.....	776,583	1	45,334	97,723	735,417
1945.....	798,194	1,807	88,059	101,998	696,333
1944.....	739,340	3,148	100,537	91,082	632,482
1943.....	608,180	5,736	51,577	79,868	566,238
1942.....	608,900	115	35,097	84,758	589,110
1941.....	701,294	335	27,083	98,373	667,505
1940.....	616,695	97	25,377	90,113	589,490
1939.....	611,043	47	44,638	87,286	555,509
1938.....	569,162	79	50,109	76,510	523,003
1937.....	571,727	144	38,306	81,748	519,352
1936.....	516,266	78	28,646	66,969	481,606
1935.....	468,021	....	30,613	60,391	434,810
1934.....	427,034	1	24,686	56,959	410,339
1933.....	411,423	15	29,321	55,933	380,494
1932.....	403,603	8,205	35,438	53,805	377,791
1931.....	441,837	13,621	45,716	56,171	407,843
1930.....	444,391	16,927	65,575	54,192	397,609
1929.....	444,859	8,834	62,059	42,498	382,878
1928.....	387,722	4,198	53,412	33,742	338,881
1927.....	339,910	5,002	44,951	34,115	305,367
1926.....	306,605	5,540	43,769	39,521	268,128
1925.....	268,667	3,813	31,684	39,273	232,745
1924.....	225,093	3,453	29,151	30,823	196,586
1923.....	196,177	4,555	21,094	25,593	174,462
1922.....	157,742	1,479	14,362	21,043	137,770
1921.....	132,248	900	13,954	13,954	116,840
1920.....	124,030	964	15,678	11,009	108,945
1919.....	101,145	203	9,142	10,638	88,648
1918.....	90,556	307	13,650	7,080	79,949
1917.....	67,870	250	10,220	9,816	56,313
1916.....	49,021	64	8,730	8,229	....

¹ Preliminary.

Authority: Bureau of Mines.

U. S. Gasoline Production Increases 57 Per Cent in Decade

U. S. PRODUCTION OF FINISHED GASOLINE, BY REFINERY DISTRICTS AND BY YEARS, 1916-1949

(Thousands of Barrels)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	115,550	27,426	177,635	85,067	53,471	225,776	77,666	11,085	29,797	135,578	939,051
1948	111,937	25,592	167,136	84,831	55,389	220,423	66,693	11,003	26,768	126,214	895,986
1947.....	104,098	27,039	147,985	77,581	52,599	191,335	58,704	9,239	23,373	122,888	814,841
1946.....	95,303	25,914	140,722	71,102	48,371	177,322	49,481	8,246	21,578	110,372	748,411
1945.....	98,207	25,895	143,826	72,746	48,959	185,744	44,552	11,573	21,864	121,094	774,460
1944.....	90,371	24,163	142,276	68,289	46,519	174,239	36,324	10,686	19,984	109,867	722,718
1943.....	68,436	22,170	126,142	60,316	40,584	133,622	22,392	10,496	16,484	91,783	592,425
1942.....	61,135	24,793	131,347	64,946	39,500	128,181	23,182	11,876	16,763	85,248	586,971
1941.....	85,379	25,606	138,481	71,388	44,143	168,204	21,265	13,079	17,831	85,734	671,110
1940.....	77,344	23,508	125,405	65,585	40,072	144,813	16,514	10,861	16,388	76,885	597,375
1939.....	78,897	21,805	109,447	65,494	43,156	153,779	18,399	10,684	15,066	79,774	596,501
1938.....	73,547	19,380	95,511	65,719	42,764	139,663	17,206	10,775	13,919	77,528	556,012
1937.....	81,096	19,939	95,409	69,576	44,391	125,888	18,241	11,170	13,464	79,967	559,141
1936.....	74,558	18,656	85,812	65,832	38,343	104,332	18,053	10,439	11,844	76,942	504,811
1935.....	72,466	19,016	76,442	62,529	33,958	89,525	16,201	7,679	10,705	69,321	457,842
1934.....	69,630	17,980	67,247	55,624	33,526	78,153	15,205	9,060	8,908	61,599	416,932
1933.....	68,536	17,496	64,585	55,037	30,946	71,003	14,460	8,392	8,074	63,062	401,591
1932.....	68,261	17,022	61,897	51,525	27,888	68,045	15,833	8,409	7,993	65,750	392,623
1931.....	69,312	17,467	67,113	60,927	32,238	75,882	17,847	8,621	11,842	70,261	431,510
1930.....	62,812	14,914	63,930	62,929	26,171	73,536	20,592	8,107	13,199	84,051	432,241
1929.....	57,851	16,061	65,102	62,235	22,586	71,003	22,818	8,275	16,431	92,716	435,078
1928.....	53,694	15,894	55,716	60,943	18,337	62,526	20,199	6,463	16,497	66,676	376,945
1927.....	49,247	12,581	43,682	55,215	14,864	56,412	19,006	5,000	14,313	60,115	330,435
1926.....	46,142	12,231	40,181	50,971	13,811	48,748	16,977	4,262	16,350	50,061	299,734
1925.....	41,527	10,154	34,800	47,978	13,436	39,694	11,877	3,119	14,563	42,453	259,601
1924.....	39,956	8,316	28,004	36,187	10,790	30,480	9,952	2,465	15,230	31,946	213,326
1923.....	33,325	7,509	24,174	29,887	7,169	21,914	8,487	1,833	15,053	30,552	179,903
1922.....	27,654	7,100	21,156	27,790	7,359	17,831	6,815	1,895	13,560	16,512	147,672
1921.....	24,286	6,283	17,364	22,822	7,577	15,667	6,548	1,318	8,571	12,268	122,704
1920.....	23,129	6,862	16,727	23,298	7,638	13,280	5,364	962	7,171	11,820	116,251
1919.....	18,564	6,431	13,607	20,970	4,184	10,013	4,447	411	5,660	9,948	94,235
1918.....	17,112	5,753	10,971	20,614	3,255	7,918	3,678	313	5,050	10,343	85,007
1917.....	12,844	4,620	9,780	15,679	11,925 ²	....	....	....	3,812	9,210	67,870
1916.....	9,459	3,640	9,058	12,008	5,675 ²	....	....	....	1,812	7,369	49,021

¹ Preliminary.

² Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines.

Gasoline Stocks Highest on East Coast

U. S. STOCKS OF FINISHED GASOLINE, BY REFINERY DISTRICTS AND BY YEARS, 1917-1949¹

(Thousands of Barrels)

Decem- ber 31	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louisi- ana Gulf Coast	Ar- kansas Louisi- ana Inland	Rocky Moun- tain	Cali- fornia	Total United States
1949 ¹	22,253	3,570	21,882	10,592	3,045	13,475	6,142	2,616	3,330	16,681	103,586
1948.....	22,598	3,212	21,580	10,318	3,345	12,756	6,033	2,485	2,608	10,546	95,481
1947.....	19,324	2,813	16,229	7,968	2,464	13,141	4,318	1,478	2,023	13,353	83,111
1946.....	18,613	3,122	17,208	8,403	3,188	11,845	4,825	1,670	1,919	13,741	84,534
1945.....	18,841	3,678	19,860	8,511	2,482	15,096	4,500	1,887	1,919	12,586	89,360
1944.....	10,583	3,703	18,804	7,610	2,186	11,971	3,978	2,413	1,527	10,847	73,622
1943.....	10,556	2,489	14,850	6,170	2,369	10,799	2,970	1,883	1,372	11,506	64,964
1942.....	9,926	2,356	14,369	5,984	2,023	14,322	3,600	1,709	1,347	15,136	70,772
1941.....	19,956	3,410	17,662	8,402	2,653	13,843	3,165	794	1,729	14,799	86,413
1940.....	17,701	2,975	15,206	6,838	2,232	13,180	2,586	771	1,527	14,927	77,943
1939.....	17,937	3,487	13,007	6,751	2,196	13,609	2,061	608	1,524	16,121	77,301
1938.....	16,597	2,994	11,533	6,252	1,911	9,626	1,843	566	1,435	13,192	65,949
1937.....	17,621	3,053	11,986	6,576	2,125	10,459	2,183	566	1,802	13,521	69,882
1936.....	13,656	2,162	9,307	6,049	2,010	7,973	1,351	511	1,106	12,261	56,382
1935.....	13,358	2,360	8,593	5,471	1,756	5,760	1,150	355	965	10,879	50,647
1934.....	13,385	2,419	7,589	4,597	1,626	6,173	1,104	297	705	10,310	48,205
1933.....	15,921	2,562	7,945	6,420	1,936	5,002	1,548	439	1,000	13,160	55,933
1932.....	13,643	2,188	6,869	4,996	1,904	6,141	1,416	360	1,218	15,070	53,805
1931.....	4,589	1,426	5,706	3,452	2,420	5,778	1,253	149	1,830	13,599	40,202
1930.....	5,773	1,195	4,288	3,370	1,812	4,917	1,413	225	1,752	15,784	40,529
1929.....	6,063	1,383	5,634	4,123	1,395	5,313	1,838	307	2,334	14,915	43,245
1928.....	5,537	1,229	5,099	3,691	800	4,063	1,979	179	1,568	8,921	33,066
1927.....	4,748	1,035	3,734	2,983	692	4,197	1,413	78	1,643	12,793	33,316
1926.....	7,385	846	4,357	3,096	433	4,569	3,196	63	4,137	10,941	39,023
1925.....	8,038	770	4,177	2,822	585	4,280	4,911	103	3,911	9,277	38,875
1924.....	4,868	635	3,789	2,882	430	3,247	1,930	117	2,758	10,167	30,823
1923.....	5,864	599	2,689	3,290	236	3,273	2,548	61	2,466	6,988	28,014
1922.....	4,446	484	2,472	3,822	2,515	312	2,111	57	2,458	2,366	21,043
1921.....	4,096	491	2,529	2,022	287	1,223	873	61	1,189	1,183	13,954
1920.....	2,876	611	1,762	1,355	356	1,371	1,088	39	884	667	11,009
1919.....	2,250	542	1,818	1,997	652	1,605	949	26	429	370	10,638
1918.....	1,444	462	1,437	1,055	211	847	333	8	520	763	7,080
1917.....	2,344	519	1,674	1,437	2,043 ²	....	....	....	296	1,503	9,816

¹ Preliminary.

² Includes stocks at refineries, bulk terminals, and in pipe lines.

³ Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines.

U. S. PRODUCTION, STOCKS, AND DEMAND FOR AVIATION GASOLINE, 1941-1949

(Thousands of Barrels)

	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Production:									
100-octane and above.....	35,215	33,421	17,867	5,342	124,215	136,130 ²	62,044 ²	27,678	21,110 ³
Other grades	11,738	12,825	17,429	20,070	28,180	60,253	44,179	26,848	....
Transfers out	2,668	3,285	7,106	10,932	11,162	3,943	2,175	559	2,443
Exports	8,766	6,237	5,072	2,294	34,117	57,150	23,516	22,356	7,514
Stocks:									
100-octane and above	3,338	2,504	2,422	1,472	1,450	5,096	3,016	....	7,318 ³
Other grades ...	4,106	3,411	3,642	3,081	3,822	10,050	9,468	....	....
U. S. demand (all grades)....	33,990	36,720	21,607	12,905	116,990	132,628	79,944	27,033	10,189
U. S. demand plus exports:									
100-octane and above.....	33,821	33,206	16,492	5,825	127,674	134,140	60,992	27,474	....
Other grades	8,600	9,148	9,188	8,576	17,893	50,216	37,929	16,895	....
Components	335	603	999	798	5,540	5,422	4,539	5,020	....

¹ Preliminary.

² Includes some 98- and 99-octane.

³ Figures represent totals; breakdown not available.

Authority: Bureau of Mines.

Popularity of Oil Heat Reflected in Near-Record Light Fuel-Oil Production

U. S. PRODUCTION OF GAS OIL AND DISTILLATE FUEL OILS, BY REFINERY DISTRICTS AND BY YEARS, 1933-1949 ¹

(Thousands of Barrels)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹ ...	59,375	6,362	48,437	30,056	7,976	86,980	35,857	4,098	11,288	49,101	339,530
1948 ² ...	67,377	7,597	49,486	30,760	8,932	115,928	35,489	4,626	10,270	48,875	379,340
1947.....	57,111	7,362	45,749	26,230	7,175	82,850	27,512	3,459	8,227	46,498	312,173
1946.....	55,252	6,015	36,861	21,457	5,362	86,469	25,590	3,131	6,609	41,150	287,896
1945.....	50,243	6,101	34,601	20,500	6,146	73,677	19,710	3,409	5,135	29,702	249,224
1944.....	46,763	6,313	34,544	19,281	5,303	73,935	15,572	3,726	4,333	29,382	239,152
1943.....	38,077	6,460	34,631	17,099	4,701	64,506	9,477	4,017	3,667	28,881	211,516
1942.....	31,132	6,769	34,388	18,344	3,664	60,697	9,428	4,112	3,782	24,398	196,714
1941.....	40,827	4,863	26,288	13,431	2,430	59,591	8,631	2,535	2,778	27,803	189,177
1940.....	39,976	4,035	23,943	11,548	2,257	62,029	7,407	1,509	2,182	28,418	183,304
1939.....	30,638	2,868	18,963	10,813	2,903	54,438	7,706	1,585	1,809	30,023	161,746
1938.....	28,559	2,446	17,397	11,163	4,217	47,529	7,450	2,341	1,689	28,983	151,774
1937.....	30,020	2,756	17,033	11,434	5,423	39,385	7,800	2,428	1,462	28,965	146,706
1936.....	23,423	2,722	16,174	10,669	4,761	32,180	6,479	2,208	1,212	26,078	125,906
1935.....	17,649	2,431	11,867	8,842	4,179	23,478	6,431	1,179	1,249	22,930	100,235
1934.....	18,545	2,534	11,593	7,044	4,160	21,919	5,280	1,131	935	21,831	94,972
1933.....	15,035	2,601	8,991	7,267	2,972	17,370	4,136	1,830	776	17,942	78,920

¹ Preliminary.

² Production of gas oil and distillate fuel oils not separately reported prior to 1933.

³ On new basis; see footnote (2), p. 221.

Authority: Bureau of Mines.

Light Fuel-Oil Stocks Largest on Populous East Coast

U. S. STOCKS OF GAS OIL AND DISTILLATE FUEL OILS, BY REFINERY DISTRICTS AND BY YEARS, 1933-1949

(Thousands of Barrels)

Decem- ber 31	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louis- iana Gulf Coast	Ar- kansas Louis- iana Inland	Rocky Moun- tain	Cali- fornia	Total United States
1949 ¹	23,780	1,012	10,511	5,360	899	14,369	4,178	560	1,557	12,981	75,207
1948 ²	23,158	1,185	11,395	5,279	854	13,636	4,159	811	1,675	9,277	71,429
1947	13,540	1,018	7,297	3,151	525	7,782	2,803	398	782	13,785	51,081
1946	20,613	568	6,114	2,536	492	12,150	3,942	512	452	12,241	59,620
1945	10,515	745	5,773	1,839	362	6,027	1,766	469	414	7,868	35,778
1944	9,621	734	6,419	2,132	374	7,549	1,292	597	356	9,259	38,333
1943	12,293	1,074	5,873	1,795	375	7,452	1,306	524	362	10,674	41,728
1942	8,415	860	5,783	2,155	331	12,336	1,671	826	378	12,185	44,940
1941	18,631	704	5,552	1,766	301	7,801	1,798	341	319	12,713	49,926
1940	15,922	537	4,318	1,231	288	8,406	1,593	252	328	10,065	42,940
1939	10,381	387	4,372	1,544	348	5,608	935	203	278	9,662	33,718
1938	12,472	408	4,065	1,491	395	6,297	1,080	272	271	9,473	36,224
1937	5,090	256	2,538	1,344	285	5,048	910	111	204	6,780	22,566
1936	4,481	311	2,508	1,349	382	3,376	1,070	154	224	8,958	22,813
1935	4,181	204	1,716	989	345	3,638	1,617	101	164	6,995	19,930
1934	5,358	358	2,770	1,126	255	4,104	2,363	114	193	5,316	21,957
1933	4,255	487	2,288	1,324	380	2,878	1,454	231	193	3,535	17,025

¹ Preliminary.

² On new basis; see footnote (2), p. 221.

Authority: Bureau of Mines

U. S. Light Fuel-Oil Demand Doubles in Decade

U. S. SUPPLY OF AND DEMAND FOR GAS OIL AND DISTILLATE FUEL OILS, BY YEARS, 1932-1949¹

(Thousands of Barrels)

Year	Production	Imports	Exports	Stocks (End of Year)	Domestic Demand
1949 ¹	339,530	1,720	12,189	75,207	328,030
1948 ²	379,340	2,546	21,293	71,429	340,576
1947	312,173	4,175	29,877	51,081	298,273
1946	287,896	5,204	29,487	59,620	242,894
1945	249,224	4,754	33,496	35,778	226,084
1944	239,152	7,022	43,491	38,333	209,320
1943	211,516	15,269	24,957	41,728	208,110
1942	196,714	3,636	21,575	44,940	185,661
1941	189,177	5,074	16,925	49,926	172,824
1940	183,304	3,333	19,140	42,940	160,851
1939	161,746	....	32,020	33,718	134,973
1938	151,744	....	29,641	27,873	117,449
1937	146,706	17	30,129	22,566	116,841
1936	125,906	182	20,448	22,813	102,757
1935	100,235	15	16,249	19,930	86,028
1934	94,972	....	14,506	21,957	74,824
1933	78,920	....	11,424	17,025	64,748
1932	69,467	....	8,782	14,110	65,101

¹ Preliminary.

² On new basis; see footnote (2), p. 221.

³ Gas oil and distillate fuel oils not reported separately prior to 1932. For prior data see table entitled "U. S. supply of and demand for gas oil and distillate, and residual fuel oils, by years, 1916-1932."

Authority: Bureau of Mines.

California Refineries Produce 30 Per Cent of Nation's Residual Fuel Oil

U. S. PRODUCTION OF RESIDUAL FUEL OILS, BY REFINERY DISTRICTS AND BY YEARS, 1933-1949 ²

(Thousands of Barrels)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	68,712	8,686	53,421	23,236	17,167	86,163	19,934	5,815	14,018	127,677	424,829
1948 ³	84,111	9,652	57,521	27,667	22,203	95,385	27,790	6,764	14,538	134,357	479,988
1947	86,769	10,250	57,259	25,246	21,064	88,592	24,324	5,410	13,710	115,171	447,795
1946	80,007	8,616	54,323	23,406	20,092	90,200	17,040	5,068	13,388	119,224	431,364
1945	85,352	9,152	53,494	24,764	22,491	88,577	17,062	6,331	13,253	148,976	469,492
1944	79,964	9,194	56,890	23,984	23,792	97,683	16,322	6,447	11,233	135,946	461,455
1943	56,004	10,274	59,621	24,969	22,742	86,549	12,768	7,294	10,229	126,856	417,306
1942	45,653	9,498	55,545	24,788	16,586	74,778	11,772	6,734	9,292	104,255	358,901
1941	50,113	7,709	46,761	22,408	14,280	84,806	13,070	7,180	7,629	88,411	342,367
1940	53,252	6,350	37,817	19,787	13,703	78,850	9,887	6,279	6,603	83,693	316,221
1939	54,440	5,415	28,962	19,011	14,769	78,391	12,076	6,170	5,728	80,982	305,944
1938	50,803	4,725	23,319	19,101	15,871	73,774	10,643	5,697	4,916	86,041	294,890
1937	55,274	4,315	24,953	21,819	20,914	73,223	13,212	6,215	4,439	87,700	312,064
1936	55,624	4,053	20,441	21,260	20,678	62,126	10,801	6,503	4,121	82,361	287,968
1935	47,337	5,207	18,525	20,998	17,963	52,653	9,835	5,189	3,900	78,219	259,826
1934	47,076	4,811	17,383	18,677	17,694	47,417	11,919	5,919	3,485	60,000	240,381
1933	46,719	4,810	18,059	19,539	17,654	40,074	11,895	6,010	2,858	69,901	237,519

¹ Preliminary.

² Residual fuel oils not reported separately prior to 1933.

³ On new basis; see footnote (2), p. 221.

Authority Bureau of Mines

Coastal Districts Carry Largest Stocks of Residual Fuel Oil

U. S. STOCKS OF RESIDUAL FUEL OILS, BY REFINERY DISTRICTS AND BY YEARS, 1933-1949

(Thousands of Barrels)

December 31	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	10,777	456	3,625	1,314	856	6,249	2,139	228	558	33,991	60,193
1948 ²	11,917	713	5,465	2,956	1,250	11,792	3,816	327	1,138	24,647	64,021
1947	7,302	690	5,072	1,729	785	7,412	1,918	174	742	21,267	47,091
1946	8,399	528	4,200	1,280	736	6,935	1,864	143	604	22,405	47,094
1945	7,057	467	2,587	1,024	687	5,051	1,458	270	725	17,832	37,158
1944	6,831	598	3,060	1,352	727	9,974	1,098	185	511	26,047	50,383
1943	6,341	324	2,983	1,003	746	8,136	1,355	261	727	26,608	48,484
1942	3,613	579	2,446	1,332	761	6,275	1,714	183	649	44,231	61,783
1941	9,805	578	4,152	2,046	1,349	8,710	2,217	368	535	53,199	82,959
1940	10,446	376	2,972	2,122	1,725	8,486	2,306	389	590	59,892	89,304
1939	7,976	494	3,020	2,733	2,301	6,579	1,213	566	515	66,893	92,290
1938	7,413	568	4,025	3,527	2,113	6,978	1,162	586	619	70,755	97,746
1937	7,421	860	4,309	2,871	1,681	6,775	2,581	324	541	67,656	95,019
1936	5,050	310	2,941	2,452	1,861	4,380	1,031	338	392	65,481	84,236
1935	4,282	278	2,128	3,270	1,807	7,537	2,592	455	478	61,227	84,054
1934	7,222	712	3,008	2,244	1,554	7,461	3,150	765	463	61,861	88,440
1933	4,399	400	2,203	3,208	2,227	3,437	1,488	907	380	87,826	106,475

¹ Preliminary.

² On new basis; see footnote (2), p. 221.

Authority: Bureau of Mines.

U. S. SUPPLY OF AND DEMAND FOR RESIDUAL FUEL OILS, BY YEARS, 1932-1949³

(Thousands of Barrels)					
Year	Production	Imports	Exports	Stocks (End of Year)	Domestic Demand
1949 ¹	424,829	74,555	12,641	60,193	495,321
1948 ²	479,988	53,269	13,011	64,021	500,543
1947.....	447,795	54,244	10,623	47,091	518,510
1946.....	431,364	44,647	9,188	47,094	480,029
1945.....	469,492	31,648	11,669	37,158	523,423
1944.....	461,455	36,485	12,536	50,383	512,020
1943.....	417,306	27,210	14,894	48,484	467,008
1942.....	358,901	18,432	12,095	61,783	405,697
1941.....	342,367	37,369	14,114	83,195	383,422
1940.....	316,221	29,366	16,109	89,304	340,163
1939.....	305,944	15,680	17,485	92,290	323,488
1938.....	294,890	21,065	17,920	97,746	291,833
1937.....	312,064	22,114	15,304	95,019	325,514
1936.....	287,968	18,801	14,435	84,236	307,884
1935.....	259,826	16,115	12,699	84,054	280,695
1934.....	240,381	12,634	14,099	88,440	265,547
1933.....	237,519	13,215	9,139	106,475	258,957
1932.....	225,283	21,286	11,212	115,771	243,056

¹ Preliminary.

² On new basis; see footnote (2), p. 221.

³ Residual fuel oils not reported separately prior to 1932. For prior data see table entitled "U. S. supply of and demand for gas oil and distillate, and residual fuel oils, by years, 1916-1932."

Authority: Bureau of Mines.

U. S. PRODUCTION OF GAS OIL, DISTILLATE, AND RESIDUAL FUEL OILS, BY REFINERY DISTRICTS AND BY YEARS, 1916-1932¹

(Thousands of Barrels)											
Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Okla-homa, Kansas, Mis-souri, etc.	Texas Inland	Texas Gulf Coast	Louis-iana Gulf Coast	Ar-kansas Louis-iana Inland	Rocky Moun-tain	Calif-ornia	Total United States
1932.....	62,830	4,673	22,508	23,700	17,809	51,395	12,832	7,996	3,410	87,597	294,750
1931.....	70,348	6,239	24,707	30,132	24,936	57,148	15,160	9,194	4,014	95,089	336,967
1930.....	80,268	5,934	28,582	31,017	28,511	53,318	14,055	10,571	5,807	114,635	372,498
1929.....	91,011	7,165	36,296	38,439	30,204	62,244	17,480	14,634	6,950	144,526	448,949
1928.....	94,023	7,271	32,715	37,193	23,122	56,227	19,256	14,698	7,100	135,632	427,237
1927.....	74,458	6,997	21,850	33,653	17,027	55,277	17,883	13,665	7,348	144,908	393,066
1926.....	59,972	6,776	19,344	33,053	15,699	49,074	19,519	14,874	8,160	138,724	365,195
1925.....	58,925	5,761	18,510	37,128	17,423	48,610	26,053	11,305	11,208	130,068	364,991
1924.....	68,010	4,578	17,480	32,095	15,031	43,015	14,311	8,723	12,540	104,693	320,476
1923.....	57,444	4,788	15,852	30,111	11,142	39,284	12,301	5,047	13,910	97,602	287,481
1922.....	49,297	4,940	15,401	31,948	11,415	42,133	11,081	4,194	12,314	72,187	254,910
1921.....	52,434	4,518	10,613	28,516	13,416	37,780	12,612	2,629	7,268	60,305	230,091
1920.....	46,227	4,943	13,419	31,852	13,744	32,397	9,118	1,694	5,070	52,523	210,987
1919.....	29,195	4,031	11,434	29,977	9,583	26,952	8,258	737	6,660	54,775	181,602
1918.....	26,643	4,804	8,202	32,004	11,191	22,595	11,699	573	5,804	50,804	174,319
1917.....	19,663	4,361	6,919	27,941	40,032 ²	.....	.....	.....	4,501	51,662	155,079
1916.....	13,801	3,107	6,896	20,018	21,889 ³	.....	.....	.....	3,029	42,305	111,045

² Production of gas oil and distillate fuel oils, and residual fuel oils, by refinery districts not reported separately prior to 1933. For later years, see tables entitled "Annual production of residual fuel oils" and "Production of gas oil and distillate fuel oils."

³ Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines.

STOCKS OF GAS OIL, DISTILLATE, AND RESIDUAL FUEL OILS, BY REFINERY DISTRICTS, 1916-1932 ²

(Thousands of Barrels)

December 31	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Okla-homa, Kansas, Mis-souri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Ar-kansas Louisiana Inland	Rocky Mountain	California	United States
1932.....	8,363	888	3,525	3,172	2,881	7,708	2,672	529	407	99,736	129,881
1931.....	8,382	1,586	5,110	4,993	3,933	9,210	3,608	797	786	97,451	135,856
1930.....	9,020	1,179	3,366	4,967	3,368	7,694	1,488	698	1,033	107,615	140,428
1929.....	6,940	1,003	3,490	4,033	3,925	10,943	1,892	879	1,320	112,406	146,831
1928.....	5,360	1,190	2,771	6,385	2,710	9,242	5,033	1,037	1,198	98,919	133,845
1927.....	11,209	1,068	1,434	5,205	1,723	9,044	3,120	561	658	93,719	127,741
1926.....	6,519	788	1,145	5,008	1,030	6,996	1,590	666	1,156	87,270	112,168
1925.....	5,492	586	1,002	3,905	1,163	6,950	3,169	826	1,588	84,984	109,665
1924.....	4,875	520	843	3,154	1,500	5,122	2,666	374	502	55,964	75,520
1923.....	6,281	876	1,060	1,934	788	7,553	1,215	129	684	49,612	36,072
1922.....	6,174	606	628	2,622	1,105	6,298	4,704	265	861	7,802	31,065
1921.....	7,395	988	1,163	5,254	1,677	6,747	2,377	615	454	5,027	31,697
1920.....	3,737	817	1,115	3,898	1,594	3,997	1,394	418	673	2,295	19,938
1919.....	1,697	534	589	3,660	801	3,266	802	47	456	5,151	17,003
1918.....	3,175	644	768	2,615	941	1,784	851	60	735	4,118	15,691
1917.....	2,660	855	409	3,220	3,680 ³	....	....	....	70	2,865	13,759
1916.....	1,382	273	412	8,382	3,871 ³	....	....	....	328	2,508	17,156

² Stocks of gas oil and distillates and residual fuel oil by refinery districts not separated prior to 1933. For later years see tables, "Annual stocks of residual fuel oil" and "Annual stocks of gas oil and distillate fuel oil."

³ Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines

U. S. SUPPLY OF AND DEMAND FOR GAS OIL AND DISTILLATE, AND RESIDUAL FUEL OILS, BY YEARS, 1916-1932 ³

(Thousands of Barrels)

Year	Production	Imports	Exports ²	Stocks (End of Year)	Domestic Demand
1932.....	294,750	21,286	19,994	129,881	308,157
1931.....	336,967	24,998	29,231	135,856	334,668
1930.....	372,498	26,080	36,450	140,428	368,531
1929.....	448,949	20,545	39,151	146,831	415,156
1928.....	427,237	7,268	44,427	133,845	383,974
1927.....	393,066	8,124	47,391	127,741	339,265
1926.....	365,195	14,432	38,351	112,168	339,572
1925.....	364,991	12,245	36,088	109,665	307,033
1924.....	320,476	12,927	37,249	75,520	290,776
1923.....	287,481	12,286 ⁴	33,372	36,072	261,388
1922.....	254,910	....	18,479	31,065	237,063
1921.....	230,091	....	22,676	31,697	195,656
1920.....	210,987	....	22,080	19,938	185,972
1919.....	181,802	....	16,467	17,003	163,803
1918.....	174,319	....	29,636	15,691	142,751
1917.....	155,079	....	26,843	13,759	131,633
1916.....	111,045	....	22,922	17,156	....

² Exports include shipments to Alaska, Hawaii, and Puerto Rico.

³ After 1932 the Bureau of Mines reported gas oil and distillate fuel oils, and residual fuel oils separately. For subsequent data see tables entitled "U. S. supply of and demand for gas oil and distillate fuel oils, by years, 1932-1949" and "U. S. supply of and demand for residual fuel oils, by years, 1932-1949."

⁴ Imports not separately compiled prior to 1923.

Authority: Bureau of Mines

U. S. PRODUCTION OF LUBRICATING OILS, BY REFINERY DISTRICTS AND BY YEARS, 1916-1949

(Thousands of Barrels)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹ ..	8,645	5,053	4,291	3,823	198	15,128	2,242	1,105	235	4,669	45,389
1948	11,163	5,068	5,042	6,131	383	16,129	1,978	1,376	300	3,846	51,416
1947	11,078	5,531	5,261	5,861	369	15,009	2,350	1,484	311	4,511	51,765
1946	9,332	5,175	4,800	5,479	282	13,399	2,098	1,380	278	3,422	45,645
1945	8,358	4,891	4,446	5,361	248	10,989	2,036	1,453	265	3,820	41,867
1944	8,237	5,278	4,526	4,627	208	10,614	2,157	1,438	256	3,765	41,106
1943	7,205	5,652	4,689	4,451	244	9,745	1,945	1,153	251	3,344	38,679
1942	7,798	6,417	4,326	4,277	260	9,356	2,066	1,220	234	2,672	38,626
1941	8,608	6,414	4,307	3,976	358	9,677	2,093	679	187	3,240	39,539
1940	8,550	6,016	3,545	3,447	238	9,142	1,630	680	179	3,338	36,765
1939	9,055	6,128	3,111	3,100	221	8,454	1,504	538	180	2,745	35,036
1938	7,613	5,763	2,609	2,962	213	7,628	1,097	452	205	2,284	30,826
1937	9,360	6,083	3,457	3,659	229	7,929	1,246	467	305	2,586	35,321
1936	8,409	5,665	3,242	3,465	217	6,108	919	522	282	2,098	30,927
1935	7,709	5,370	2,686	3,389	258	5,522	610	215	273	1,821	27,853
1934	7,405	5,231	2,373	2,969	313	5,588	428	130	231	1,705	26,373
1933	7,387	4,576	1,832	2,435	284	4,980	386	116	172	1,607	23,775
1932	6,712	4,101	2,002	2,476	235	4,761	298	168	178	1,502	22,433
1931	8,167	4,561	2,570	2,801	236	5,363	439	211	366	1,990	26,704
1930	10,156	5,084	4,180	2,960	350	7,662	644	167	485	2,513	34,201
1929	10,874	5,243	3,901	2,678	341	7,368	822	146	580	2,388	34,359
1928	10,817	5,109	3,943	2,639	399	7,962	739	30	620	2,400	34,658
1927	10,144	4,410	3,309	2,365	379	7,470	737	4	590	2,313	31,721
1926	9,567	4,799	3,268	2,480	319	7,724	811	21	640	2,664	32,293
1925	9,189	4,511	3,207	2,518	513	7,203	734	59	587	2,534	31,055
1924	8,064	4,265	2,514	2,220	405	6,261	680	81	470	2,538	27,498
1923	7,476	3,988	2,526	1,956	88	6,720	597	14	457	2,306	26,128
1922	7,278	3,772	1,810	1,793	120	5,362	762	15	448	1,944	23,304
1921	6,262	3,536	2,245	1,496	94	4,655	391	...	324	1,893	20,896
1920	7,843	4,523	3,008	2,172	167	4,222	437	21	347	2,198	24,938
1919	6,672	4,309	2,429	2,219	132	2,426	316	13	83	1,562	20,161
1918	6,129	4,354	2,320	2,616	20	2,520	383	12	87	1,594	20,035
1917	6,144	4,291	2,392	983	2,208 ²	...	...	...	61	1,868	17,947
1916	5,772	4,052	2,357	451	1,214 ²	...	...	...	38	986	14,870

¹ Preliminary.

² Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines.

East Coast and Texas Gulf Require Largest Lube Stocks

U. S. STOCKS OF LUBRICATING OILS, BY REFINERY DISTRICTS AND BY YEARS, 1917-1949

(Thousands of Barrels)

Decem- ber 31	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louis- iana Gulf Coast	Ar- kansas Louis- iana Inland	Rocky Moun- tain	Cali- fornia ²	Total United States
1949 ¹	2,327	866	1,089	730	44	2,562	423	154	103	921	9,219
1948.....	3,158	817	999	835	98	2,760	244	189	108	635	9,843
1947.....	2,386	559	886	538	76	2,229	221	154	91	1,484	8,624
1946.....	2,172	597	809	460	36	1,672	216	113	77	1,412	7,564
1945.....	2,327	506	794	629	34	1,791	204	157	77	1,254	7,773
1944.....	2,428	605	830	494	23	1,736	153	125	88	1,333	7,815
1943.....	2,136	646	941	641	39	1,647	166	79	94	1,392	7,781
1942.....	2,579	912	822	1,007	70	2,123	302	112	120	1,377	9,424
1941.....	2,406	745	747	749	126	1,588	255	49	103	1,359	8,127
1940.....	2,711	949	697	672	58	1,977	236	101	102	1,264	8,767
1939.....	2,237	579	529	602	21	1,545	233	62	88	1,246	7,142
1938.....	2,230	910	577	565	64	1,810	192	44	101	1,202	7,695
1937.....	2,355	807	667	710	85	1,406	150	69	108	1,155	7,512
1936.....	2,151	801	615	625	84	1,350	118	34	109	1,055	6,942
1935.....	2,227	855	514	562	93	1,553	92	34	120	975	7,025
1934.....	2,316	1,006	555	563	105	1,667	115	17	88	899	7,331
1933.....	2,351	876	688	521	80	1,526	62	18	133	845	7,100
1932.....	2,695	1,075	1,004	580	86	1,897	70	10	185	863	8,694
1931.....	3,099	1,145	1,018	753	80	2,075	112	20	250	959	9,485
1930.....	3,475	1,350	1,261	798	113	2,336	166	17	225	1,230	10,827
1929.....	2,757	1,175	854	514	46	1,686	110	6	169	952	8,269
1928.....	2,773	1,220	805	480	82	1,817	101	2	181	879	8,340
1927.....	2,629	1,095	840	512	65	1,606	113	1	127	872	7,860
1926.....	2,599	993	647	423	35	1,738	119	...	150	872	7,576
1925.....	2,687	844	793	444	39	1,348	107	1	174	816	7,253
1924.....	2,151	815	606	394	19	1,357	145	16	132	785	6,420
1923.....	2,383	728	647	234	3	1,209	78	5	137	714	6,138
1922.....	2,198	876	556	382	11	1,106	59	...	88	337	5,613
1921.....	2,068	947	732	542	9	988	74	...	46	329	5,735
1920.....	1,273	769	533	335	6	493	44	...	23	346	3,822
1919.....	1,246	645	346	318	1	393	42	1	7	270	3,269
1918.....	1,424	561	328	226	1	526	34	2	12	192	3,306
1917.....	1,729	601	241	140	299 ³	...	...	...	9	239	3,258

¹ Preliminary.

² Beginning with 1923, stocks of lubricating oils include marketers' but not service-station stocks in California.

³ Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines.

U. S. SUPPLY OF AND DEMAND FOR LUBRICATING OILS, BY YEARS, 1916-1949

(Thousands of Barrels)					
Year	Production	Imports	Exports ²	Stocks (End of Year)	U. S. Demand
1949 ¹	45,389	...	12,612	9,219	33,008
1948	51,416	101	12,996	9,843	35,983
1947	51,765	38	14,871	8,624	35,872
1946	45,645	88	11,051	7,564	34,891
1945	41,867	...	6,575	7,773	35,334
1944	41,106	...	8,709	7,815	32,363
1943	38,679	...	8,863	7,781	31,459
1942	38,626	...	8,272	9,424	29,057
1941	39,539	...	9,924	8,127	30,255
1940	36,765	11	10,461	8,767	24,690
1939	35,036	5	11,881	7,142	23,713
1938	30,826	7	9,417	7,695	21,233
1937	35,321	7	10,975	7,512	23,323
1936	30,927	4	8,691	6,942	22,323
1935	27,853	1	8,499	7,025	19,661
1934	26,373	2	7,660	7,331	18,484
1933	23,775	1	8,218	7,100	17,152
1932	22,433	12	6,851	8,465	16,614
1931	26,704	32	8,128	9,511	20,068
1930	34,201	25	9,935	10,971	21,589
1929	34,359	39	10,860	8,269	23,609
1928	34,658	13	11,023	8,340	23,168
1927	31,721	8	9,776	7,860	21,669
1926	32,293	33	9,435	7,576	22,568
1925	31,055	37	9,678	7,253	20,581
1924	27,498	11	9,103	6,420	18,124
1923	26,128	29	8,372	5,781	17,617
1922	23,304	43	7,941	5,613	15,485
1921	20,896	...	6,936	5,735	12,047
1920	24,938	...	9,643	3,822	14,742
1919	20,161	...	6,598	3,269	13,600
1918	20,035	...	6,165	3,306	13,822
1917	17,947	...	6,724	3,258 ³	....
1916	14,870	...	6,246	....	....

¹ Preliminary.

² Includes shipments to Alaska, Hawaii, and Puerto Rico.

³ Not available prior to July 1917.

Authority: Bureau of Mines

U. S. PRODUCTION OF KEROSENE, BY REFINERY DISTRICTS AND BY YEARS, 1916-1949

(Thousands of Barrels)

Year	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louis- iana Gulf Coast	Ar- kansas Louis- iana Inland	Rocky Moun- tain	Cali- fornia	Total United States
1949 ¹	10,446	3,082	19,836	7,217	4,466	31,026	17,380	2,543	1,924	4,232	102,152
1948.....	17,004	3,819	21,780	8,916	5,232	37,910	18,409	2,965	1,768	4,111	121,914
1947.....	14,257	3,570	18,324	8,792	5,477	34,119	17,394	2,578	1,250	4,651	110,412
1946.....	13,832	3,309	15,156	9,116	4,673	35,284	15,954	2,067	1,136	3,858	104,385
1945.....	10,755	3,288	12,719	8,039	4,626	22,924	12,178	2,546	1,117	2,832	81,024
1944.....	9,458	3,894	13,665	7,767	4,516	22,330	10,539	2,512	950	2,713	78,344
1943.....	7,561	3,697	14,370	8,470	3,310	22,060	6,303	2,304	794	3,401	72,270
1942.....	7,929	3,640	15,802	8,984	3,015	17,364	5,219	2,460	698	2,363	67,474
1941.....	9,169	3,166	11,864	7,505	2,987	24,448	7,304	3,080	906	2,157	72,586
1940.....	11,447	3,213	10,344	7,196	2,753	26,164	5,897	2,722	824	3,322	73,882
1939.....	9,120	2,847	8,476	7,073	2,977	23,224	6,898	2,470	782	4,654	68,521
1938.....	9,208	2,769	7,096	6,920	2,985	22,357	6,037	2,139	810	4,219	64,580
1937.....	11,024	3,220	6,238	7,396	3,515	20,351	5,927	1,787	796	5,054	65,308
1936.....	9,595	2,916	5,724	7,238	2,853	15,990	5,535	1,577	727	3,927	56,082
1935.....	9,696	2,977	4,764	7,651	3,410	16,029	4,628	975	654	5,029	55,813
1934.....	10,535	2,982	4,224	6,307	3,742	14,417	4,650	921	516	5,561	53,855
1933.....	9,677	2,855	4,221	6,823	3,218	11,345	3,896	773	570	5,599	48,977
1932.....	7,150	3,289	3,517	6,564	2,311	9,882	3,909	718	506	5,990	43,836
1931.....	6,941	3,651	3,902	7,549	2,443	8,889	3,119	688	883	4,381	42,446
1930.....	7,336	3,798	4,552	8,229	2,703	9,971	4,543	796	971	6,309	49,208
1929.....	8,091	3,671	5,334	10,052	2,980	10,356	4,829	672	1,530	8,425	55,940
1928.....	8,563	3,719	6,318	10,239	2,885	11,609	5,182	632	1,829	8,377	59,353
1927.....	10,413	3,836	5,260	9,123	2,467	11,425	5,452	677	1,864	5,596	56,113
1926.....	12,331	4,211	4,937	8,901	2,734	13,072	6,097	576	2,108	6,801	61,768
1925.....	13,665	3,407	6,131	9,090	2,378	10,982	4,789	672	2,207	6,368	59,689
1924.....	13,743	3,495	5,703	8,123	2,524	10,786	5,317	873	2,364	7,098	60,026
1923.....	13,478	3,606	5,164	6,679	2,581	10,176	5,268	805	3,024	5,146	55,927
1922.....	13,220	3,400	4,724	7,898	2,617	10,726	4,262	771	2,645	4,650	54,913
1921.....	10,743	3,677	4,003	7,228	2,578	8,756	2,856	862	1,753	3,857	46,313
1920.....	11,826	4,127	5,176	9,382	3,699	8,753	3,650	903	2,785	4,939	55,240
1919.....	16,741	4,539	5,160	9,354	2,579	6,881	3,611	475	1,564	4,849	55,753
1918.....	11,561	3,261	4,454	9,886	2,363	5,725	2,048	228	1,493	2,442	43,461
1917.....	11,830	3,813	3,640	7,563	9,640 ²	....	....	....	1,314	3,314	41,114
1916.....	10,247	4,703	3,901	7,177	4,620 ²	....	....	....	931	3,076	34,655

¹ Preliminary.

² Includes all of Texas, Arkansas, and Louisiana.

Authority: Bureau of Mines.

Kerosine Stocks Double, 1945-1949

U. S. STOCKS OF Kerosine, BY REFINERY DISTRICTS AND BY YEARS, 1916-1949

(Thousands of Barrels)

Decem- ber 31	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louis- iana Gulf Coast	Ar- kansas Louis- iana Inland	Rocky Moun- tain	Cali- fornia ²	Total United States
1949 ¹	9,252	448	4,109	893	450	3,061	1,207	345	291	832	20,888
1948....	10,330	532	4,301	1,227	639	3,069	2,392	472	233	700	23,895
1947.....	7,177	406	2,861	843	554	2,478	1,801	261	169	1,172	17,722
1946.....	7,806	477	2,006	971	402	2,921	1,436	358	106	598	17,081
1945.....	3,894	302	1,769	583	237	1,817	999	221	103	496	10,421
1944.....	4,359	561	2,362	704	198	1,205	985	148	127	501	11,150
1943.....	3,062	308	2,314	656	137	1,365	577	213	69	658	9,359
1942.....	2,853	337	1,554	576	178	2,456	1,290	214	81	525	10,064
1941.....	6,561	366	1,660	678	282	3,036	630	246	129	927	14,515
1940.....	2,428	183	983	481	159	3,154	646	224	128	1,126	9,512
1939.....	1,318	297	1,089	686	149	1,917	773	184	105	1,058	7,576
1938.....	1,356	184	702	743	189	2,722	527	192	79	1,105	7,799
1937.....	1,512	132	558	620	178	2,095	822	173	120	873	7,083
1936.....	1,114	179	627	668	169	1,323	355	136	136	926	5,633
1935.....	2,051	224	546	693	186	1,665	578	78	127	1,767	7,915
1934.....	1,433	186	723	613	108	1,720	265	17	144	1,189	6,398
1933.....	1,319	345	634	696	165	1,343	454	13	241	1,348	6,558
1932.....	1,032	219	451	334	77	811	334	14	197	1,564	5,033
1931.....	899	231	638	438	103	844	322	23	352	1,482	5,332
1930.....	1,360	165	539	739	111	1,129	773	12	276	1,841	6,945
1929.....	1,340	293	943	1,002	157	1,425	694	55	389	2,797	9,095
1928.....	1,288	312	1,286	729	93	1,472	927	19	366	2,509	9,001
1927.....	1,401	316	1,004	605	86	1,236	911	26	350	1,780	7,715
1926.....	1,664	245	778	677	599	1,467	1,116	13	383	1,633	8,575
1925.....	1,275	232	857	381	399	1,570	301	6	327	1,773	7,121
1924.....	1,692	304	855	765	394	1,955	850	28	219	1,532	8,594
1923.....	1,735	312	936	419	532	839	1,065	27	158	1,208	7,231
1922.....	2,008	315	944	732	416	888	553	44	134	658	6,692
1921.....	2,770	628	787	718	774	953	798	47	119	525	8,119
1920.....	1,844	537	847	631	1,008	1,558	1,719	19	526	670	9,359
1919.....	2,450	390	969	526	604	1,720	829	19	264	308	8,079
1918.....	1,859	354	585	462	1,366	3,068	773	19	290	274	9,050
1917.....	2,236	748	467	640	6,969 ³	....	....	....	36	755	11,851
1916.....	3,291	698	413	2,150	4,036 ³	....	....	....	192	575	11,355

¹ Preliminary.

² Beginning with 1923, kerosine stocks include marketers' but not service-station stocks in California.

³ Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines

Kerosine Supply and Demand Almost Equal in 1949

U. S. SUPPLY OF AND DEMAND FOR Kerosine, BY YEARS, 1916-1949

(Thousands of Barrels)					
Year	Production	Imports	Exports ²	Stocks (End of Year)	U. S. Demand
1949 ¹	102,152	....	2,532	20,888	102,673
1948.....	121,914	135	3,495	23,941	112,220
1947.....	110,412	....	7,252	17,722	102,519
1946.....	104,385	....	8,637	17,081	89,088
1945.....	81,024	....	6,180	10,421	75,573
1944.....	78,344	147	4,888	11,150	71,812
1943.....	72,270	375	4,752	9,359	68,598
1942.....	67,474	418	2,576	10,064	69,767
1941.....	72,586	191	3,221	9,599	69,469
1940.....	73,882	204	3,374	9,512	68,776
1939.....	68,521	....	8,241	7,576	60,503
1938.....	64,580	....	7,504	7,799	56,360
1937.....	65,308	....	8,886	7,083	54,972
1936.....	56,082	....	6,936	5,633	51,428
1935.....	55,813	....	6,651	7,915	47,645
1934.....	53,855	....	9,781	6,398	44,234
1933.....	48,977	....	8,959	6,558	38,493
1932.....	43,836	71	11,044	4,974	33,221
1931.....	42,446	11	12,712	5,332	31,296
1930.....	49,208	200	16,884	6,863	34,736
1929.....	55,940	208	20,022	9,095	36,032
1928.....	59,353	202	22,034	9,001	36,235
1927.....	56,113	55	19,537	7,715	37,491
1926.....	61,768	74	22,248	8,575	38,140
1925.....	59,689	19	21,212	7,121	39,969
1924.....	60,026	10	21,961	8,594	36,712
1923.....	55,927	7	20,347	7,231	35,046
1922.....	54,913	3 ³	21,489	6,692	34,854
1921.....	46,313	....	18,016	8,119	29,537
1920.....	55,240	....	20,878	9,359	33,082
1919.....	55,753	....	23,536	8,079	33,188
1918.....	43,461	....	11,820	9,050	34,442
1917.....	41,114	....	15,815	11,851	24,803
1916.....	34,655	....	20,463	11,355	....

¹ Preliminary.

² Includes shipments to Alaska, Hawaii, and Puerto Rico.

³ Imports not compiled separately prior to Oct. 1922.

Authority: Bureau of Mines

East Coast Leads in Asphalt Production

U. S. PRODUCTION OF PETROLEUM ASPHALT, BY REFINERY DISTRICTS AND BY YEARS, 1916-1949

(Thousands of Short Tons)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	2,323.3	338.0	1,636.5	896.5	476 0	604 2	411.6	512.4	360.6	1,351.3	8,910 4
1948.....	2,683.1	304.7	1,811.3	943.5	458 4	532.7	576.5	541 8	376 9	1,210.9	9,439.8
1947.....	2,472.0	410.9	1,580.5	828.0	403.1	464.6	594.4	508 2	286.5	1,412.9	8,961.1
1946.....	2,102.4	372.0	1,884 7	700.2	368.7	394.9	499.6	455 6	245.1	1,142.4	8,165 6
1945.....	1,602.2	315.0	1,450.7	671.5	315.2	314.7	409.0	403.0	289.9	1,355.4	7,126 6
1944.....	1,387.7	333.7	1,419 4	624.1	306.4	372.0	306.9	402.9	318.4	1,524.6	6,996.1
1943.....	1,012.8	324.8	1,425.0	700.1	410.5	435 6	483.0	356 5	192.6	1,415.8	6,756.7
1942.....	817.2	339.3	1,322.4	526.7	388 3	497.6	519.8	370.1	178 9	1,336.2	6,296.5
1941.....	2,138.0	258.0	1,327.8	501.3	244.0	362.7	417.1	284.7	134.4	889.6	6,557.6
1940.....	1,777.0	169.3	984.9	403.5	194.5	346.1	364 6	202.0	147.9	756.9	5,346.7
1939.....	1,841.8	142.2	969.1	354.4	164.6	290.7	259.8	179.6	65.8	686.2	4,954.2
1938.....	1,691.5	113.2	605.7	341.4	195.8	210.1	229.8	193.5	157.0	603.4	4,341.4
1937.....	1,664.5	102.4	712 7	268.1	111.2	226 6	228.0	162.9	126.8	578.8	4,182.0
1936.....	1,582.7	91.0	738.3	180.9	72.0	265.2	241.0	111.6	109.4	476.7	3,868.8
1935.....	1,255.7	101.9	633.3	87.3	50.3	185.5	186.9	103.9	62.4	447.9	3,115.1
1934.....	1,260.6	108.6	469.5	92.6	58.2	163.1	148.1	144.9	32.8	362.1	2,840.5
1933.....	1,054.9	88.4	422.2	66.7	33.7	156.2	100.2	81.4	3.4	312.4	2,319.5
1932.....	1,190.2	116.2	360.3	35.0	....	143.9	182.7	67.0	3.9	375.7	2,474.9
1931.....	1,458.5	126.0	439.5	22.7	....	172.0	218.9	93.1	5.6	440.2	2,976.5
1930.....	1,504.5	55.5	606.6	28.9	....	194.2	337.4	95.3	2.0	483.6	3,308.0
1929.....	1,586.2	14.5	534.1	23.4	0.5	219.4	360.6	46.9	10.3	673.3	3,469.2
1928.....	1,542.1	1.5	440.8	10.6	0.7	201.2	463.1	20.4	14.1	602.3	3,296.8
1927.....	1,717.1	2.5	303.2	7.0	....	241.3	565.6	19.3	27.5	534.2	3,417.7
1926.....	1,368.7	....	202.7	6.8	....	261.4	517.3	22.1	33.1	510.7	2,922.8
1925.....	1,197.1	0.2	196.3	0.8	0.9	365.1	386.4	9 5	33.4	487.7	2,677.4
1924.....	1,193.9	2.7	138.3	0.6	....	334 0	404.2	0 6	31.5	439.8	2,545.6
1923.....	1,013.5	3.9	145.5	....	408.4 ³	....	326.2 ⁴	....	14.3	415.3	2,327.1
1922.....	896.5	3.8	108.6	....	358.1 ³	....	232.1 ⁴	....	1.7	294.5	1,895.3
1921.....	593.4	10.2	79.8	0.1	176.2 ³	....	138.2 ⁴	....	....	216.6	1,214.5
1920.....	539.8	5.5	110.1	....	378.8 ³	....	....	....	....	256.4	1,290.6
1919.....	430.1	2.1	91.3	0.2	210.6 ³	....	....	....	....	167.6	901.9
1918.....	270.2	2.9	72.0	10.4	145.9 ²	....	....	....	....	106.6	608.0
1917.....	256.8	5.5	72.6	14.1	220.3 ²	....	....	....	....	170.1	739.4
1916.....	217.4	4.8	24.8	15.2	228.1 ²	....	....	....	....	226.2	716.5

¹ Preliminary.

² Includes all of Texas, Louisiana, and Arkansas.

³ Includes all of Texas.

⁴ Includes all of Louisiana and Arkansas.

Authority: Bureau of Mines.

U. S. STOCKS OF PETROLEUM ASPHALT, BY REFINERY DISTRICTS AND BY YEARS, 1921-1949

(Thousands of Short Tons)

Year As of December 31	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louisi- ana Gulf Coast	Ar- kansas Louisi- ana Inland	Rocky Moun- tain	Cali- fornia	Total United States
1949 ¹	128.7	40.7	186.5	127.1	50.2	45.3	62.2	79.8	50.2	123.5	894.2
1948	140.5	61.4	220.2	193.3	48.4	52.4	71.3	68.0	78.2	94.9	1,028.6
1947	130.0	40.2	112.7	102.0	33.3	19.7	53.1	57.6	59.3	77.8	685.7
1946	107.8	23.3	161.3	58.4	34.2	26.5	54.0	31.1	84.3	121.1	702.0
1945	125.3	35.3	140.5	79.1	37.1	24.7	53.1	43.4	46.7	107.5	692.7
1944	100.2	33.4	115.1	96.9	21.1	20.9	51.1	42.9	40.6	104.0	626.2
1943	81.1	19.5	113.8	69.3	32.4	29.1	54.5	28.5	33.6	101.5	563.3
1942	50.0	26.4	96.7	39.6	20.2	23.8	38.0	22.0	18.5	75.8	411.0
1941	120.0	13.0	171.0	94.0	15.0	23.0	47.0	22.0	27.0	72.0	604.0
1940	137.0	13.0	170.0	58.0	19.0	17.0	51.0	51.0	20.0	78.0	614.0
1939	129.0	20.0	148.0	68.0	8.0	19.0	35.0	21.0	15.0	87.0	550.0
1938	134.1	14.8	108.9	40.2	24.9	15.4	34.1	16.5	23.1	78.4	490.4
1937	141.7	17.9	152.8	56.7	28.1	14.0	38.1	36.3	22.0	49.8	557.4
1936	111.7	11.5	87.8	26.0	7.0	13.8	36.2	10.8	12.7	46.7	364.2
1935	127.9	16.1	87.7	35.5	8.8	9.9	41.5	25.7	15.2	59.4	429.7
1934	99.7	11.1	82.6	6.7	2.5	11.3	28.4	44.6	5.3	47.0	339.2
1933	83.2	6.6	61.2	6.4	....	7.3	22.1	19.2	2.5	46.0	254.5
1932	84.3	8.3	67.5	5.1	....	6.0	39.8	22.8	2.7	39.6	276.1
1931	87.5	20.1	79.1	3.9	0.1	11.3	28.9	23.2	2.3	45.4	301.8
1930	118.3	9.7	73.5	5.9	0.1	7.5	41.7	7.2	3.9	40.0	307.8
1929	89.7	3.6	65.3	3.4	....	10.7	20.9	4.3	5.4	37.0	240.3
1928	92.2	0.4	46.1	1.5	0.2	10.5	31.1	0.4	8.1	45.0	235.5
1927	89.5	0.5	23.9	1.6	....	10.9	32.3	0.4	9.4	52.3	220.8
1926	77.5	....	28.0	0.9	....	8.3	26.1	1.2	7.9	43.4	193.3
1925	78.1	0.1	13.8	0.9	....	8.6	24.4	0.1	7.7	25.7	159.4
1924	49.0	0.2	4.2	0.1	....	10.3	11.6	0.1	4.8	17.0	97.3
1923	54.0	2.9	14.2	0.2	11.5 ²	....	16.1 ²	....	3.2	15.0	118.1
1922	62.5	2.7	9.9	0.2	13.7 ²	....	17.2 ²	....	0.2	13.2	119.6
1921	44.5	6.7	7.9	....	19.0 ²	....	5.7 ²	....	....	14.5	98.3

¹ Preliminary.

² Includes all of Texas.

³ Includes all of Louisiana and Arkansas.

Authority. Bureau of Mines.

Demand for Petroleum Asphalt Rises 2 Million Tons from 1945 to 1949

U. S. SUPPLY OF AND DEMAND FOR PETROLEUM ASPHALT, 1916-1949

(Thousands of Short Tons)

Year	Production	Imports	Exports	Stocks (End of Year)	U. S. Demand
1949 ¹	8,910.4	215.3	282.2	894.2	8,977.8
1948.....	9,439.8	283.1	296.0	1,028.6	9,084.0
1947.....	8,961.1	210.7	593.1	685.7	8,549.6
1946.....	8,165.6	125.6	417.8	702.0	7,864.2
1945.....	7,126.6	147.1	234.4	692.7	6,972.7
1944.....	6,996.2	126.4	127.1	626.2	6,932.5
1943.....	6,756.7	113.0	98.9	563.3	6,618.5
1942.....	6,296.5	121.2	113.8	411.0	6,496.9
1941.....	6,557.6	158.3	274.1	604.0	6,451.8
1940.....	5,346.7	137.7	296.4	614.0	5,124.0
1939.....	4,954.2	73.9	42.6	550.0	4,926.1
1938.....	4,341.4	33.2	49.9	490.4	4,391.7
1937.....	4,162.0	79.2	45.5	557.4	3,977.4
1936.....	3,868.8	21.6	211.4	364.2	3,744.5
1935.....	3,115.1	54.0	232.8	429.7	2,845.8
1934.....	2,840.5	15.6	239.9	339.2	2,531.5
1933.....	2,319.5	21.6	215.8	254.5	2,146.9
1932.....	2,474.9	20.4	220.5	276.1	2,300.5
1931.....	2,976.5	(²)	(²)	301.8	(²)
1930.....	3,308.0	....	....	307.8	....
1929.....	3,469.2	....	....	240.3	....
1928.....	3,296.8	....	....	235.5	....
1927.....	3,417.7	....	....	220.8	....
1926.....	2,922.8	....	....	193.3	....
1925.....	2,677.4	....	....	159.4	....
1924.....	2,545.6	....	....	97.3	....
1923.....	2,327.1	....	....	118.1	....
1922.....	1,895.3	....	....	119.6	....
1921.....	1,214.5	....	....	98.3	....
1920.....	1,290.6	....	....	81.1	....
1919.....	901.9	....	....	73.4	....
1918.....	608.0	....	....	76.9	....
1917.....	739.4	....	....	77.4	....
1916.....	716.5	....	....	....	....

¹ Preliminary.

² Comparable data not available prior to 1932.

Authority: Bureau of Mines.

Indiana-Illinois-Kentucky District Largest Producer of Petroleum Coke

U. S. PRODUCTION OF PETROLEUM COKE, BY REFINERY DISTRICTS AND BY YEARS, 1916-1949

(Thousands of Short Tons)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Okla-homa, Kansas, Mis-souri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Ar-kansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	208.0	63.6	1,613.4	281.2	121.4	324.8	288.8	....	105.2	385.4	3,391.8
1948.....	151.0	63.4	1,436.6	201.0	116.8	305.4	249.8	....	53.8	321.0	2,898.8
1947.....	145.8	66.6	1,041.0	145.6	110.8	307.0	236.8	....	46.6	315.2	2,415.4
1946.....	119.6	29.2	1,034.2	138.8	131.8	227.8	209.0	....	44.2	189.6	2,124.2
1945.....	73.6	30.2	1,138.8	148.6	126.2	200.8	141.0	....	38.8	125.0	2,023.0
1944.....	2.2	24.8	1,110.4	137.8	117.6	153.2	138.6	....	46.8	72.0	1,803.4
1943.....	2.6	22.2	850.0	118.2	91.8	179.2	57.8	....	37.8	28.8	1,388.4
1942.....	2.4	25.2	847.2	144.0	75.0	141.6	16.2	....	37.6	49.2	1,338.4
1941.....	4.4	26.0	894.0	181.4	119.4	185.0	....	....	49.4	189.2	1,648.8
1940.....	5.2	25.6	943.6	163.0	76.8	149.2	....	....	44.0	119.2	1,526.6
1939.....	6.8	23.2	920.0	184.8	102.0	180.2	0.4	....	61.6	187.4	1,666.4
1938.....	3.8	20.0	977.8	213.6	101.4	141.0	60.6	1.2	65.8	17.0	1,602.2
1937.....	10.4	24.4	726.8	236.2	106.2	112.9	16.6	1.9	70.8	0.4	1,306.6
1936.....	16.6	28.6	742.4	236.4	61.4	162.0	21.4	2.4	106.6	0.4	1,378.2
1935.....	107.2	27.8	662.0	235.4	38.0	209.0	82.0	2.4	93.4	0.8	1,458.0
1934.....	142.4	23.2	570.0	205.2	47.2	222.8	22.4	2.4	59.2	5.2	1,300.0
1933.....	211.4	24.4	620.0	278.0	28.2	298.4	37.6	2.4	67.0	12.6	1,580.0
1932.....	182.1	40.8	728.9	261.1	63.4	337.2	64.4	2.4	89.5	19.0	1,788.8
1931.....	134.5	37.1	724.3	373.3	129.1	390.5	92.9	2.4	137.3	10.6	2,032.0
1930.....	156.0	39.4	597.8	360.1	94.9	396.6	135.8	2.2	131.0	26.2	1,940.0
1929.....	181.6	51.5	439.0	362.9	66.9	373.8	142.7	2.1	124.9	75.2	1,820.6
1928.....	139.1	48.3	409.4	287.7	62.7	235.6	134.8	1.9	107.1	....	1,426.6
1927.....	149.4	23.5	297.2	242.1	29.3	191.2	131.0	12.8	68.7	....	1,145.2
1926.....	180.3	20.2	252.6	156.2	27.1	126.1	123.5	12.3	97.0	....	995.3
1925.....	200.9	16.3	239.1	94.0	21.6	211.3	113.2	6.3	88.3	....	991.0
1924.....	166.5	16.8	212.3	57.5	5.9	142.5	90.0	1.6	68.0	....	761.1
1923.....	175.3	18.8	201.1	30.1	94.5 ³	....	....	81.6	71.1	....	672.5
1922.....	230.3	20.0	178.2	23.5	106.8 ³	....	....	89.2	59.1	....	707.1
1921.....	202.9	19.3	172.6	33.7	77.6 ³	....	....	75.3	23.1	....	604.5
1920.....	205.0	18.4	170.8	41.2	130.3 ³	....	....	....	10.9	....	576.6
1919.....	248.9	18.2	137.1	56.8	122.3 ²	....	....	....	20.2	....	603.5
1918.....	222.6	19.8	137.8	56.7	107.9 ²	....	....	....	14.9	....	559.7
1917.....	260.7	20.2	124.1	52.3	71.2 ²	....	....	....	10.9	....	539.4
1916.....	222.4	15.0	105.9	35.1	21.9 ²	....	....	....	5.0	....	405.3

¹ Preliminary.

² Includes all of Texas, Louisiana, and Arkansas.

³ Includes all of Texas.

Authority: Bureau of Mines.

U. S. STOCKS OF PETROLEUM COKE, BY REFINERY DISTRICTS AND BY YEARS, 1917-1949

(Thousands of Short Tons)

Year As of Decem- ber 31	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louisi- ana Gulf Coast	Ar- kansas Louisi- ana Inland	Rocky Moun- tain	Cali- fornia	Total United States
1949 ¹	0.2	2.4	34.8	6.0	4.6	12.0	0.2	....	12.6	67.0	139.6
1948.....	0.2	1.4	31.0	7.8	2.8	9.6	0.2	....	2.2	74.0	129.2
1947.....	0.2	1.8	19.4	3.4	3.6	1.2	0.4	....	6.6	32.0	68.6
1946.....	0.2	0.6	27.0	3.8	0.8	2.4	1.2	....	8.0	46.0	90.0
1945.....	1.0	3.0	45.4	4.4	3.8	11.8	0.8	....	11.6	76.4	158.2
1944.....	1.0	2.4	104.6	7.8	10.4	8.2	0.8	....	21.6	30.4	187.2
1943.....	2.0	5.6	120.4	43.8	30.0	26.6	0.6	....	16.0	13.2	258.2
1942.....	1.8	2.6	81.6	29.2	48.6	26.6	1.2	....	20.0	22.2	233.8
1941.....	2.0	9.0	64.0	17.0	51.0	40.0	1.0	....	35.0	9.0	228.0
1940.....	2.0	17.0	107.0	7.0	31.0	104.0	1.0	....	35.0	183.0	487.0
1939.....	2.0	15.0	191.0	29.0	80.0	87.0	7.0	....	60.0	195.0	666.0
1938.....	5.3	9.2	407.4	31.4	93.2	49.8	30.4	....	62.4	18.4	707.5
1937.....	10.0	2.6	158.0	21.9	64.6	52.4	8.6	0.1	56.7	3.7	378.6
1936.....	10.3	8.3	148.5	16.8	24.5	66.8	12.4	....	62.6	39.2	389.4
1935.....	17.5	10.8	59.9	40.7	7.5	81.5	32.8	0.1	65.7	72.4	388.9
1934.....	23.9	9.6	32.5	44.0	38.4	81.6	4.1	0.1	79.8	91.1	405.1
1933.....	27.0	4.7	93.2	102.5	80.0	206.1	8.9	....	105.8	99.2	727.4
1932.....	29.3	7.3	91.7	151.0	135.3	615.4	64.3	....	131.8	104.1	1,330.2
1931.....	22.1	11.1	215.9	165.6	131.3	611.3	117.2	0.2	138.1	98.8	1,511.6
1930.....	45.6	6.7	107.7	81.6	45.6	484.3	68.4	0.2	115.7	113.3	1,069.1
1929.....	22.8	5.9	41.4	88.9	11.9	289.9	61.1	....	110.0	113.5	745.4
1928.....	27.8	2.3	53.7	80.4	20.9	116.1	60.3	0.3	75.1	....	436.9
1927.....	33.3	1.2	36.7	58.0	13.4	69.4	61.1	2.5	69.5	....	345.1
1926.....	16.4	0.3	8.4	44.3	5.6	80.7	59.9	1.3	73.7	....	290.6
1925.....	24.0	0.7	5.3	21.5	5.5	66.3	54.8	2.9	57.4	....	238.4
1924.....	12.7	0.6	8.2	20.1	0.3	30.3	14.3	0.8	10.5	....	97.8
1923.....	5.4	0.1	7.6	3.1	2.9 ³	....	....	0.6 ⁴	6.6	....	26.3
1922.....	14.1	0.1	5.4	4.1	8.3 ²	....	....	....	3.7	....	35.7
1921.....	26.4	0.2	25.8	6.8	7.8 ²	....	....	....	7.5	....	74.5
1920.....	7.1	0.3	6.9	5.7	11.3 ¹	....	....	....	0.2	....	31.5
1919.....	9.2	0.6	5.8	1.9	2.9 ²	....	....	....	0.4	....	21.1
1918.....	5.9	0.6	2.7	4.4	5.0 ²	....	....	....	4.0	....	22.6
1917.....	1.5	0.4	2.5	1.1	1.7 ²	....	....	....	0.4	....	7.6

¹Preliminary.

²Includes all of Texas, Louisiana, and Arkansas.

³Includes all of Texas.

⁴Includes all of Louisiana and Arkansas.

Authority: Bureau of Mines.

U. S. Demand for Petroleum Coke Doubles in Past Decade

U. S. SUPPLY OF AND DEMAND FOR PETROLEUM COKE, 1916-1949

(Thousands of Short Tons)

Year	Production	Imports	Exports	Stocks (End of Year)	U. S. Demand
1949 ¹	3,391.8	....	496 0	139.6	2,885.4
1948.....	2,898.8	....	504.2	129.2	2,334.0
1947.....	2,415.4	....	420.4	68.6	2,016.4
1946.....	2,124.2	....	386.6	90.0	1,805.8
1945.....	2,023.0	....	209.2	158.2	1,842.8
1944.....	1,803.4	....	209.0	187.2	1,665.4
1943.....	1,388.4	....	314.0	258.2	1,050.0
1942.....	1,338.4	....	325.3	233.8	1,007.3
1941.....	1,648.8	....	279.1	228.0	1,628.7
1940.....	1,526.6	....	298.7	487.0	1,406.9
1939.....	1,666.4	....	286.2	666.0	1,421.7
1938.....	1,602.2	....	155.6	707.5	1,117.7
1937.....	1,306.6	....	164.3	378.6	1,153.1
1936.....	1,378.2	....	124.6	389.4	1,253.1
1935.....	1,458.0	....	133.5	388.9	1,340.7
1934.....	1,300.0	....	114.3	405.1	1,508.1
1933.....	1,580.0	....	190.4	727.4	1,992.4
1932.....	1,788.8	....	89.4	1,330.2	1,880.8
1931.....	2,032.0	....	56.0	1,511.6	1,533.5
1930.....	1,940.0	....	98.7	1,069.1	1,517.6
1929.....	1,820.6	....	129.7	745.4	1,382.4
1928.....	1,426.6	....	144.1	436.9	1,190.7
1927.....	1,145.2	....	104.4	345.1	986.3
1926.....	995.3	....	96.1 ²	290.6	847.0
1925.....	991.0	....	....	238.4	....
1924.....	761.1	....	....	97.8	....
1923.....	672.5	....	....	26.3	....
1922.....	707.1	....	....	35.7	....
1921.....	604.5	....	....	74.5	....
1920.....	576.6	....	....	31.5	....
1919.....	603.5	....	....	21.1	....
1918.....	559.7	....	....	22.6	....
1917.....	539.4	....	....	7.6	....
1916.....	405.3	....	....	....	....

¹ Preliminary.

² Data not compiled separately prior to 1926.

Authority: Bureau of Mines.

East Coast Refineries Supply One-third of U. S. Petroleum Wax

U. S. PRODUCTION OF PETROLEUM WAX, BY REFINERY DISTRICTS AND BY YEARS, 1916-1949

(Thousands of Pounds)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Oklahoma, Kansas, Missouri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	308,280	110,320	69,440	86,800	1,120	154,840	94,640	..	21,000	51,800	898,240
1948.....	375,760	109,480	77,840	123,200	2,520	129,640	112,000	....	29,120	24,640	984,200
1947.....	388,360	111,160	63,560	133,000	3,080	147,840	115,640	....	26,600	25,480	1,014,720
1946.....	310,240	99,960	53,760	106,960	2,520	130,200	89,600	....	21,840	25,760	840,840
1945.....	309,400	102,480	60,200	90,160	2,240	122,080	82,320	....	25,200	23,800	817,880
1944.....	286,720	102,480	62,160	84,840	2,520	129,080	99,680	....	24,640	15,120	807,240
1943.....	246,680	101,080	64,680	78,680	3,080	143,080	93,520	....	21,000	3,360	755,160
1942.....	213,640	119,280	57,960	57,960	3,360	140,560	85,400	....	22,400	....	700,560
1941.....	233,520	112,000	49,280	44,800	1,400	122,640	89,320	....	17,080	....	670,040
1940.....	196,000	100,240	54,600	39,480	1,400	76,440	28,000	....	17,080	....	513,240
1939.....	189,840	97,160	38,080	31,920	2,800	71,120	22,400	....	11,200	....	464,520
1938.....	196,560	82,880	31,640	30,800	1,960	60,200	19,600	....	11,480	....	435,400
1937.....	249,760	87,360	43,120	33,600	3,360	52,640	28,000	1,680	22,120	....	521,640
1936.....	215,600	82,880	38,360	31,640	2,800	59,920	22,680	....	19,040	....	472,920
1935.....	204,120	83,160	34,720	34,440	3,360	47,600	20,440	....	22,400	....	450,240
1934.....	225,120	81,480	37,800	34,720	2,800	45,360	25,760	....	15,680	....	468,720
1933.....	233,520	69,160	25,760	29,120	3,080	44,520	57,400	....	7,000	....	469,560
1932.....	209,440	85,120	42,560	28,840	3,080	29,120	50,960	....	9,800	....	458,920
1931.....	196,000	93,520	49,000	26,040	2,800	40,040	47,040	....	22,960	....	477,400
1930.....	209,720	101,920	48,440	33,880	2,240	51,240	76,440	....	23,800	....	547,680
1929.....	260,156	96,117	59,482	40,618	2,230	64,935	65,266	....	41,270	....	630,074
1928.....	230,352	95,936	78,405	46,030	3,361	67,757	64,319	....	43,984	....	630,144
1927.....	226,039	87,856	67,306	47,099	3,717	62,578	61,344	....	38,408	....	584,347
1926.....	249,820	97,541	78,949	50,074	3,575	57,913	63,583	....	44,207	153	645,815
1925.....	230,902	82,181	81,213	48,970	4,333	56,215	41,513	....	45,034	216	590,577
1924.....	198,947	80,811	56,016	49,456	4,275	52,570	40,220	....	34,113	83	516,491
1923.....	184,781	77,307	37,058	35,657	....	52,777	46,853	....	31,985	179	466,647
1922.....	195,864	75,884	33,807	28,283	346	50,688	46,669	50	30,005	457	462,003
1921.....	155,403	77,051	42,701	33,095	644	52,102	41,002	....	31,718	1,168	434,884
1920.....	206,930	89,030	92,884	46,504	52	35,648	42,985	430	23,883	2,858	541,204
1919.....	186,791	87,703	69,400	43,783	524	30,459	43,476	....	3,071	2,028	467,235
1918.....	215,791	86,433	78,021	48,726	428	27,004	45,714	....	2,259	768	505,144
1917.....	219,017	87,858	82,225	22,235	68,748 ²	....	....	....	1,117	....	481,200
1916.....	192,838	89,881	75,224	12,109	14,951 ²	....	....	....	1,178	....	386,181

¹ Preliminary.

² Includes all of Texas, Louisiana, and Arkansas.

Authority: Bureau of Mines

U. S. STOCKS OF PETROLEUM WAX, BY REFINERY DISTRICTS AND BY YEARS, 1917-1949

(Thousands of Pounds)

Year As of Decem- ber 31	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky, etc.	Okla- homa, Kansas, Mis- souri, etc.	Texas Inland	Texas Gulf Coast	Louis- iana Gulf Coast	Ar- kansas Louis- iana Inland	Rocky Moun- tain	Cali- fornia	Total United States
1949 ¹ . . .	43,400	19,600	20,160	8,120	.. .	20,440	9,800	....	8,120	2,800	132,440
1948	73,360	26,040	18,200	13,720	280	8,120	4,480	....	8,680	1,400	154,280
1947	40,600	18,480	15,400	7,560	....	7,000	2,520	.. .	5,880	840	98,280
1946	35,000	19,600	10,920	6,160	....	7,840	1,400	....	4,480	840	86,240
1945	28,840	18,480	9,800	5,880	.. .	9,240	1,400	....	7,000	1,400	82,040
1944	27,160	17,360	15,960	5,320	280	10,640	1,680	....	14,000	1,400	93,800
1943	25,480	15,400	16,800	6,720	280	9,800	840	....	6,720	....	82,040
1942	23,520	15,960	23,240	3,360	280	10,920	560	....	7,560	....	85,400
1941	19,126	13,180	21,495	4,799	.. .	9,244	3,427	....	3,543	....	74,814
1940	50,082	17,774	26,658	5,114	126	15,916	1,494	....	8,108	....	125,272
1939	28,999	14,968	9,978	3,762	207	6,517	2,857	....	8,360	....	75,648
1938	46,237	16,799	21,750	2,910	260	16,263	1,817	....	23,304	.. .	129,340
1937	62,525	15,376	24,249	4,267	144	10,934	2,455	....	24,457	.. .	144,992
1936	36,326	15,426	18,465	3,296	246	14,454	1,121	....	26,100	.. .	115,434
1935	33,067	18,690	15,160	3,141	102	22,023	1,852	....	20,640	.. .	114,675
1934	57,154	19,615	16,230	6,440	118	23,634	2,119	.. .	10,826	....	136,136
1933	18,773	12,742	10,477	3,463	204	10,062	4,078	....	9,318	....	69,117
1932	37,792	22,116	25,069	2,978	284	11,418	31,955	....	32,016	....	163,628
1931	50,140	21,822	20,522	4,659	80	14,853	37,074	....	31,693	....	180,843
1930	50,048	26,146	22,822	4,091	79	12,070	91,463	....	25,873	....	232,592
1929	83,501	20,950	18,203	4,894	47	4,824	37,457	....	19,716	....	189,592
1928	40,038	14,816	17,412	5,472	159	5,464	12,651	....	16,542	.. .	112,554
1927	56,754	24,890	16,353	2,904	86	8,659	43,875	.. .	13,642	51	167,214
1926	80,041	20,970	23,568	8,928	229	14,287	28,081	.. .	9,094	133	185,331
1925	51,143	15,499	22,900	3,350	338	10,507	2,320	....	10,206	128	116,391
1924	33,092	18,496	10,946	3,914	223	8,165	8,711	....	6,106	53	89,706
1923	63,233	17,596	30,557	4,066	....	9,423	35,880	....	3,591	52	164,758
1922	53,324	27,508	21,772	3,222	....	13,045	82,318	....	3,404	298	204,891
1921	77,113	28,773	30,174	7,600	281	13,504	47,722	.. .	1,672	724	207,563
1920	62,282	20,918	48,565	6,577	44	16,941	37,918	.. .	1,625	498	195,368
1919	63,340	27,917	35,005	9,044	82	14,266	72,522	....	105	181	222,462
1918	93,866	24,424	19,117	5,250	66	7,648	48,519	.. .	596	172	199,658
1917	75,812	20,686	13,059	3,492	21,981 ²	.. .	....	.. .	30	....	135,060

¹ Preliminary.

² Includes all of Texas, Louisiana, and Arkansas.

Authority Bureau of Mines

Demand for Petroleum Wax Exceeds 600 Million Pounds A Year

U. S. SUPPLY OF AND DEMAND FOR PETROLEUM WAX, 1916-1949

(Thousands of Pounds)					
Year	Production	Imports	Exports ²	Stocks (End of Year)	U. S. Demand
1949 ¹	898,240	....	288,400	132,440	631,680
1948.....	984,200	7,560	278,320	154,280	657,440
1947.....	1,014,720	1,120	309,960	98,280	693,840
1946.....	840,840	280	201,040	86,240	635,880
1945.....	817,880	1,798	158,526	82,040	672,912
1944.....	807,240	....	162,236	93,800	633,244
1943.....	755,160	109	172,799	82,040	585,830
1942.....	700,560	9,749	153,519	85,400	546,204
1941.....	670,040	16,542	213,075	74,814	523,965
1940.....	513,240	83,102	189,794	125,272	356,924
1939.....	464,520	39,913	232,664	75,648	325,461
1938.....	435,400	28,927	201,447	129,340	278,532
1937.....	521,640	36,929	231,723	144,992	297,288
1936.....	472,920	16,669	187,342	115,434	301,488
1935.....	450,240	19,557	229,905	114,675	261,353
1934.....	468,720	37,292	198,958	136,136	240,035
1933.....	469,560	36,634	247,769	69,117	353,243
1932.....	458,920	33,255	235,304	163,628	264,463
1931.....	477,400	37,835	290,527	180,843	276,457
1930.....	547,680	30,402	292,973	232,592	242,109
1929.....	630,074	40,860	319,324	189,592	274,572
1928.....	630,144	24,741	392,705	110,344	302,474
1927.....	584,347	20,462	340,423	167,214	282,503
1926.....	645,815	9,983	335,584	185,331	251,274
1925.....	590,577	14,588	334,179	116,391	244,301
1924.....	516,491	12,867	382,820	89,706	221,590
1923.....	466,647	12,843	329,793	164,758	189,830
1922.....	462,003	7,447	284,501	204,891	187,621
1921.....	434,884	4,546	225,881	207,563	201,354
1920.....	541,204	7,629	375,276	195,368	200,651
1919.....	467,235	9,883	263,345	222,462	190,969
1918.....	505,144	5,647	235,543	199,658	210,650
1917.....	481,200	9,709	311,090	135,060	....
1916.....	386,181	9,258	376,813	....	....

¹ Preliminary.

² Exports include shipments to Alaska, Hawaii, and Puerto Rico.

Authority—Bureau of Mines.

Postwar Low-Cost Highway Construction Requires Large Road-Oil Output

U. S. PRODUCTION OF ROAD OIL, BY REFINERY DISTRICTS AND BY YEARS, 1929-1949

(Thousands of Barrels)

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Okla-homa, Kansas, Mis-souri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Ar-kansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	122	2	1,651	660	..	59	4	9	1,637	3,547	7,691
1948.....	174	7	1,913	511	..	76	1	16	1,686	3,532	7,916
1947.....	150	7	1,520	557	..	85	3	17	1,363	3,372	7,074
1946.....	172	....	1,701	758	..	102	2	20	1,160	2,260	6,175
1945.....	289	....	539	298	26 ²	....	1	37	821	675	2,686
1944.....	95	....	32	45	2 ²	....	20 ¹	....	569	793	1,556
1943.....	12	....	41	51	44 ²	....	22 ²	....	807	1,406	2,295
1942.....	— 5	30	1,169	396	48 ²	....	149 ²	..	1,363	4,889	8,039
1941.....	366	42	2,477	697	173 ²	....	141 ²	....	1,651	3,602	9,149
1940.....	271	154	2,274	722	216 ²	..	224 ²	....	1,267	2,641	7,769
1939.....	370	123	2,206	1,006	286	125	1	471	819	2,461	7,868
1938.....	907	140	1,714	703	2	233	171	75	1,114	2,484	7,543
1937.....	903	49	1,854	688	3	293	126	371	1,111	2,689	8,087
1936.....	969	53	1,965	528	24	373	1	536	646	2,303	7,398
1935.....	387	27	1,936	544	36	96	54	397	816	1,737	6,030
1934.....	392	93	1,792	894	110	207	57	156	950	1,559	6,210
1933.....	747	81	1,434	822	67	182	86	129	619	1,367	5,534
1932.....	620	170	2,337	1,095	201	92	99	152	826	1,287	6,879
1931.....	365	208	1,710	852	....	81	26	82	841	1,012	5,177
1930.....	595	10	1,450	490	....	145	..	184	457	2,094	5,425
1929.....	571	10	1,041	265	....	21	52	4	76	1,241	3,281

¹ Preliminary.

² Includes all of Texas.

³ Includes all of Louisiana and Arkansas.

Authority. Bureau of Mines.

U. S. STOCKS OF ROAD OIL, BY REFINERY DISTRICTS AND BY YEARS, 1931-1949²

(Thousands of Barrels)

December 31	East Coast	Appalachian	Indiana, Illinois, Kentucky, etc.	Okla-homa, Kansas, Mis-souri, etc.	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Ar-kansas Louisiana Inland	Rocky Mountain	California	Total United States
1949 ¹	10	..	35	10	..	1	1	4	101	204	366
1948.....	32	..	72	7	..	3	1	5	128	253	501
1947.....	26	..	21	13	..	6	1	2	139	405	613
1946.....	27	..	47	49	..	5	2	4	186	286	606
1945.....	17	..	17	6	5 ³	..	1	5	102	217	370
1944.....	19	..	2	5	4 ³	..	2 ⁴	..	74	83	189
1943.....	10	..	..	5	5 ³	..	3 ⁴	..	79	91	193
1942.....	1	..	13	34	51 ³	..	15 ⁴	..	117	117	348
1941.....	39	1	168	32	35 ³	..	15 ⁴	..	252	251	793
1940.....	44	1	114	34	37 ³	..	53 ⁴	..	107	234	624
1939.....	59	5	26	60	43 ³	..	3	31	136	339	702
1938.....	39	4	12	37	..	9	4	38	244	293	680
1937.....	66	10	22	16	..	16	42	82	439	291	984
1936.....	56	4	39	15	50	9	4	82	294	298	851
1935.....	69	6	42	34	51	18	3	29	324	156	732
1934.....	75	13	71	121	39	34	11	1	140	159	664
1933.....	92	22	41	172	24	31	14	29	212	195	832
1932.....	103	20	40	90	17	13	7	..	83	191	564
1931.....	14	10	12	88	..	11	..	..	89	109	333

¹ Preliminary.

² Road oil was included with "other finished products" prior to 1931.

³ Includes all of Texas.

⁴ Includes all of Louisiana and Arkansas.

Authority. Bureau of Mines

U. S. PRODUCTION OF REFINERY STILL GAS, BY REFINERY DISTRICTS, 1941-1949

(Thousands of Barrels)										
District	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	
East Coast	10,177	9,491	11,690	12,691	13,763	14,028	12,347	10,425	11,720	
Appalachian	3,364	3,022	3,417	3,436	3,509	3,422	2,847	2,767	2,796	
Indiana, Illinois, Kentucky, etc...	17,813	15,588	15,580	16,899	17,433	18,415	16,071	15,666	15,649	
Oklahoma, Kansas, Missouri, etc..	5,748	6,489	6,653	6,732	7,358	7,038	6,683	7,127	7,702	
Texas Inland	3,759	4,035	4,058	4,368	4,480	4,233	3,911	4,388	4,698	
Texas Gulf Coast.....	22,400	22,802	24,220	23,095	30,063	31,935	26,732	23,705	26,501	
Louisiana Gulf Coast.....	5,210	5,734	5,636	6,212	9,507	8,184	4,951	2,807	2,357	
Arkansas-Louisiana Inland	1,037	1,444	1,459	1,322	1,683	1,291	1,189	1,004	1,224	
Rocky Mountain	2,012	2,233	2,210	2,137	2,254	1,905	1,506	1,543	1,631	
California	11,101	10,321	10,641	11,244	13,408	11,788	10,518	9,492	9,076	
U. S. total.....	82,621	81,159	85,564	88,136	103,458	102,239	86,755	78,924	83,354	

¹ Preliminary.

Authority Bureau of Mines

U. S. PRODUCTION OF MISCELLANEOUS PETROLEUM PRODUCTS, BY YEARS, 1929-1948

(Thousands of Barrels)							Total
Year	Petrolatum	Absorption Oil	Medicinal Oil	Specialties	Liquefied Gas	Other Products ²	Miscellaneous Products ²
1948 ³	952	574	128	1,849	(⁴)	2,685 ⁵	6,188
1943.....	719	160	113	248	6,279	2,141	9,660
1942.....	476	156	105	228	5,913	1,239	8,117
1941.....	462	161	258	196	4,755	434	6,266
1940.....	430	130	185	174	1,719	564	3,202
1939.....	394	172	192	153	958	490	2,359
1938.....	311	169	172	153	591	525	1,921
1937.....	434	201	162	98	577	910	2,382
1936.....	399	199	156	48	704	642	2,148
1935.....	366	175	140	89	716	402	1,888
1934.....	425	157	119	80	439	652	1,872
1933.....	367	138	105	67	(⁴)	758	1,435
1932.....	229	130	104	84	(⁴)	1,191	1,738
1931.....	272	132	87	(⁴)	(⁴)	3,659	4,150
1930.....	246	239	128	(⁴)	(⁴)	7,141	7,754
1929.....	251	329	64	(⁴)	(⁴)	9,280	9,924

² Not comparable for 1928 through 1931, as 1928 and 1929 included road oil and some still gas, and 1930 and 1931 included some still gas.

³ Statistics unavailable for the years 1944 through 1947, as the Bureau of Mines discontinued the survey in those years.

⁴ Not included in 1948 survey because of separate reporting.

⁵ Includes 232,000 barrels of solvents.

Authority: Bureau of Mines

Refinery Yields Vary with Supply and Demand Factors

U. S. AVERAGE YIELD OF PRINCIPAL PETROLEUM PRODUCTS PER BARREL OF CRUDE OIL, BY YEARS, 1880-1949

Year	Gasoline		Kerosine		Gas Oil and Distillates		Residual Fuel Oil		Lubricating Oils	
	Per Cent	Gallons	Per Cent	Gallons	Per Cent	Gallons	Per Cent	Gallons	Per Cent	Gallons
1949 ¹	43.7	18.4	5.2	2.2	17.4	7.3	21.7	9.1	2.3	1.0
1948.....	40.1	16.8	6.0	2.5	18.5	7.8	23.5	9.9	2.5	1.1
1947.....	40.2	16.9	6.0	2.5	16.8	7.1	24.2	10.2	2.8	1.2
1946 ²	39.6	16.6	6.0	2.5	16.6	7.0	24.9	10.5	2.6	1.1
1945.....	40.7	17.1	4.7	2.0	14.5	6.1	27.3	11.5	2.4	1.0
1944.....	39.5	16.6	4.7	2.0	14.4	6.0	27.7	11.6	2.5	1.1
1943.....	37.2	15.6	5.0	2.1	14.8	6.2	29.2	12.3	2.7	1.1
1942.....	39.9	16.7	5.1	2.1	14.8	6.2	26.9	11.3	2.9	1.2
1941.....	44.3	18.5	5.2	2.2	13.4	5.6	24.3	10.2	2.8	1.2
1940.....	43.2	18.1	5.7	2.4	14.2	6.0	24.4	10.2	2.8	1.2
1939.....	45.0	18.9	5.5	2.3	13.1	5.5	24.7	10.4	2.8	1.2
1938.....	44.2	18.6	5.5	2.3	13.0	5.5	25.3	10.6	2.6	1.1
1937.....	43.9	18.4	5.5	2.3	12.4	5.2	26.4	11.1	3.0	1.3
1936.....	44.1	18.5	5.3	2.2	11.8	5.0	27.0	11.3	2.9	1.2
1935.....	44.3	18.6	5.8	2.4	10.4	4.4	26.9	11.3	2.9	1.2
1934.....	43.1	18.1	6.0	2.5	10.6	4.5	26.8	11.3	2.9	1.2
1933.....	43.7	18.4	5.7	2.4	9.2	3.9	27.6	11.6	2.8	1.2
1932.....	44.7	18.8	5.3	2.2	8.5	3.6	27.5	11.6	2.7	1.1
1931.....	44.3	18.6	4.7	2.0	9.4	3.9	28.3	11.9	3.0	1.3
1930.....	42.0	17.6	5.3	2.2	8.8	3.7	31.4	13.2	3.7	1.6
1929.....	39.3	16.5	5.7	2.4	45.5	19.1	(³)	(³)	3.5	1.5
1928.....	37.4	15.7	6.5	2.8	46.8	19.6	..	..	3.8	1.6
1927.....	36.0	15.1	6.8	2.9	47.4	19.9	..	..	3.8	1.6
1926.....	34.9	14.7	7.9	3.3	46.9	19.7	..	..	4.1	1.7
1925.....	32.4	13.6	8.1	3.4	49.3	20.7	..	..	4.2	1.8
1924.....	31.2	13.1	9.3	4.0	49.8	20.9	..	..	4.3	1.8
1923.....	30.0	12.6	9.6	4.0	49.5	20.4	..	..	4.5	1.9
1922.....	28.8	12.1	11.0	4.6	50.9	21.4	..	..	4.7	2.0
1921.....	27.1	11.4	10.4	4.4	51.9	21.8	..	..	4.7	2.0
1920.....	26.1	11.0	12.7	5.3	48.6	20.4	..	..	5.7	2.4
1919.....	25.2	10.8	15.4	6.5	50.2	21.1	..	..	5.6	2.4
1918.....	25.3	10.6	13.3	5.6	53.5	22.5	..	..	6.1	2.6
1917.....	21.5	9.0	13.1	5.5	49.2	20.7	..	..	5.7	2.4
1914.....	18.2	7.6	24.1	10.1	46.5	19.5	..	..	6.6	2.8
1909.....	10.7	4.5	33.0	13.9	33.6	14.1	..	..	10.7	4.5
1904.....	10.3	4.3	48.3	20.3	12.8	5.4	..	..	11.6	4.9
1899.....	12.9	5.4	57.6	24.2	14.0	5.9	..	..	9.1	3.8
1889.....	12.8	5.4	65.9	27.7	..	..	..	..	7.7	3.2
1880.....	10.3	4.3	75.2	31.6	..	..	..	..	2.1	0.9

¹ Preliminary.

² Beginning with 1946, yields are calculated on a total input basis; prior to 1946, on a crude-runs-to-stills basis.

³ Residual fuel oil included with gas oil and distillates prior to 1930.

Authority: Bureau of Mines.

Increased Gasoline Yield in All Districts in 1949

PERCENTAGE YIELD OF GASOLINE PER BARREL OF CRUDE OIL, BY U. S. REFINERY DISTRICTS AND BY YEARS, 1921-1949

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky	Oklahoma, Kansas, Missouri	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	United States Average
1949 ¹	39.2	47.4	50.8	49.0	49.8	44.6	45.8	36.6	44.7	33.8	43.7
1948....	34.3	43.5	48.0	46.3	48.2	39.9	39.3	33.8	43.0	33.2	40.1
1947....	33.9	43.7	46.6	46.9	47.7	40.9	39.3	32.8	43.0	33.5	40.2
1946 ²	33.7	45.3	47.5	47.1	48.7	38.1	38.8	31.3	43.0	32.8	39.6
1945....	35.0	45.6	49.1	48.3	46.1	40.7	40.9	33.3	44.2	32.5	40.7
1944....	34.5	42.0	47.9	47.7	46.5	37.7	38.1	31.9	45.8	32.3	39.5
1943....	35.0	39.8	44.6	44.7	44.0	34.3	32.3	33.7	45.2	29.6	37.2
1942....	37.5	42.4	47.0	46.9	47.9	36.3	37.5	36.6	46.3	31.3	39.9
1941....	38.4	46.6	52.2	52.4	54.9	43.9	37.9	41.8	50.7	34.0	44.3
1940....	36.9	48.1	53.0	52.6	54.2	41.0	36.0	42.3	52.0	32.6	43.2
1939....	39.9	49.4	54.8	53.8	56.6	44.4	37.2	40.9	54.5	32.8	45.0
1938....	40.0	48.8	55.6	53.7	53.8	43.3	35.4	41.6	52.9	31.9	44.2
1937....	40.0	48.5	55.5	52.7	51.3	42.3	34.9	41.9	54.1	33.2	43.9
1936....	39.7	47.4	55.9	51.7	50.2	43.0	38.4	41.4	52.7	34.2	44.1
1935....	41.7	48.6	56.4	52.2	48.3	43.5	37.0	41.5	51.7	33.0	44.3
1934....	39.3	49.6	53.9	52.1	43.3						
1933....	40.4	51.4	53.6	51.9	43.9		38.9		50.2	32.6	43.1
1932....	41.6	48.8	56.2	53.5	45.5		41.7		51.1	33.9	43.7
1931....	40.2	46.6	55.6	52.9	45.2		40.0		50.3	34.1	44.7
1930....	35.2	44.7	55.7	52.1	41.4		39.9		56.6	34.1	44.3
1929....	32.1	45.6	56.6	50.2	39.6		32.3		55.7	34.2	41.9
1928....	30.2	45.1	54.1	50.6	39.7		28.6		58.7	30.5	39.3
1927....	31.1	40.9	55.1	50.0	39.0		27.0		58.0	25.9	37.4
1926....	32.4	40.0	55.5	49.0	36.9		24.3		52.6	23.7	36.0
1925....	29.8	39.0	50.3	46.3	33.9		21.5		52.7	21.3	34.9
1924....	27.3	36.4	47.9	42.4	30.8		24.2		52.5	19.4	32.4
1923....	28.4	34.8	46.3	40.5	26.5		24.6		54.1	20.1	31.2
1922....	27.5	34.2	46.0	37.7	23.7		23.5		53.7	19.7	30.0
1921....	25.1	32.6	45.3	36.0	25.3		25.0		53.7	15.6	28.8
									52.2	14.3	27.1

¹ Preliminary.

² Beginning with 1946, yields are calculated on a total input basis; prior to 1946, on a crude-runs-to-stills basis.

Authority: Bureau of Mines.

PERCENTAGE YIELD OF GAS OIL AND DISTILLATES PER BARREL OF CRUDE OIL, BY U. S. REFINERY DISTRICTS AND BY YEARS, 1933-1949

Year	East Coast	Appalachian	Indiana, Illinois, Kentucky	Oklahoma, Kansas, Missouri	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	Arkansas Louisiana Inland	Rocky Mountain	California	United States Average
1949 ¹	20.4	11.2	14.6	19.2	9.8	18.9	22.5	14.6	17.8	15.0	17.4
1948....	20.9	13.2	15.0	18.4	9.9	23.1	22.0	15.3	17.1	15.1	18.5
1947....	18.8	12.2	15.2	17.2	8.4	19.2	19.4	13.7	15.8	15.4	16.8
1946 ²	19.6	10.8	13.1	15.4	6.8	20.6	21.1	14.2	13.8	14.4	16.6
1945....	18.4	10.9	12.5	14.7	7.3	18.3	19.8	12.2	11.2	9.5	14.5
1944....	18.2	11.2	12.4	14.5	6.4	18.0	18.4	13.3	10.5	10.0	14.4
1943....	19.6	11.8	13.0	13.8	6.4	19.3	16.6	14.8	10.4	10.9	14.8
1942....	19.3	11.8	13.0	14.2	5.4	19.8	17.7	14.4	11.0	10.6	14.8
1941....	18.8	9.1	10.5	10.6	3.7	16.4	15.9	8.6	8.3	13.0	13.4
1940....	19.5	8.3	10.6	10.1	3.6	18.4	16.4	6.1	7.2	14.1	14.2
1939....	15.9	6.5	9.9	9.6	4.4	16.3	15.9	6.4	6.9	15.1	13.1
1938....	15.8	6.2	10.7	10.0	6.3	15.4	15.9	9.7	6.8	14.5	13.0
1937....	15.2	6.9	10.4	9.4	7.2	14.0	14.4	9.7	6.3	14.3	12.4
1936....	12.6	7.0	11.0	9.3	7.0	13.8	14.0	9.3	5.8	13.7	11.8
1935....	10.4	6.3	9.1	8.2	6.8	11.7	14.9	6.8	6.6	12.9	10.4
1934....	10.8	7.1	9.7	7.4	6.7	12.2	12.8	6.0	5.8	14.0	10.6
1933....	9.0	7.8	7.7	7.5	5.2	10.8	10.6	9.9	5.5	11.4	9.1

¹ Preliminary.

² Beginning with 1946, yields are calculated on a total input basis; prior to 1946, on a crude-runs-to-stills basis.

Authority: Bureau of Mines.

**PERCENTAGE YIELD OF RESIDUAL FUEL OIL PER BARREL OF
CRUDE OIL, BY U. S. REFINERY DISTRICTS AND BY YEARS,
1933-1949**

Year	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky	Okla- homa, Kansas, Mis- souri	Texas Inland	Texas Gulf Coast	Louisi- ana Gulf Coast	Ar- kansas Louisi- ana Inland	Rocky Moun- tain	Calif- ornia	United States Average
1949 ¹	23.6	15.3	16.1	14.8	21.2	18.8	12.5	20.8	22.0	39.1	21.7
1948.....	26.0	16.8	17.4	16.6	24.4	19.0	17.2	22.3	24.3	41.6	23.5
1947.....	28.6	16.9	19.0	16.5	24.7	20.6	17.2	21.4	26.2	38.2	24.2
1946 ²	28.4	15.4	19.4	16.8	25.3	21.5	14.1	23.0	28.0	41.8	24.9
1945.....	31.2	16.3	19.4	17.8	22.6	22.0	17.2	22.7	28.8	47.5	27.3
1944.....	31.1	16.3	20.4	18.0	28.8	23.9	19.3	23.0	27.2	46.1	27.7
1943.....	28.8	18.7	22.5	20.1	31.2	25.8	22.3	26.9	29.1	48.1	29.2
1942.....	28.3	16.5	21.0	19.2	24.3	24.4	22.1	23.5	27.0	45.3	26.9
1941.....	23.1	14.4	18.6	17.6	21.4	23.4	24.1	24.5	22.7	41.5	24.3
1940.....	26.1	13.2	16.7	17.2	22.2	23.3	21.9	25.3	21.9	41.6	24.4
1939.....	28.3	12.4	15.1	16.9	22.6	23.5	24.8	24.8	21.8	40.8	24.8
1938.....	28.1	12.1	14.3	17.2	23.7	24.0	22.7	23.7	19.8	42.9	25.3
1937.....	27.9	10.7	15.2	18.0	27.7	25.9	26.0	25.0	19.0	43.2	26.4
1936.....	30.0	10.5	13.8	18.5	30.4	26.6	23.2	27.2	19.9	43.4	26.9
1935.....	27.8	13.5	14.3	19.5	29.1	26.2	22.9	29.8	20.5	44.0	26.9
1934.....	27.4	13.4	14.6	19.7	28.6	26.4	28.8	31.4	21.7	42.2	26.8
1933.....	28.0	14.3	15.4	20.2	30.7	24.9	30.5	32.5	20.1	44.5	27.6

¹ Preliminary.

² Beginning with 1946, yields are calculated on a total input basis; prior to 1946, on a crude-runs-to-stills basis.

Authority: Bureau of Mines.

Kerosine Yields Largest in Louisiana Gulf Coast District

**PERCENTAGE YIELD OF Kerosine PER BARREL OF CRUDE OIL,
BY U. S. REFINERY DISTRICTS AND BY YEARS, 1921-1949**

Year	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky	Okla- homa, Kansas, Mis- souri	Texas Inland	Texas Gulf Coast	Louisi- ana Gulf Coast	Ar- kansas Louisi- ana Inland	Rocky Moun- tain	Calif- ornia	United States Average
1949 ¹	3.6	5.4	6.0	4.6	5.5	6.8	10.9	9.1	3.0	1.3	5.2
1948.....	5.3	6.7	6.6	5.3	5.8	7.6	11.4	9.8	3.0	1.3	6.0
1947.....	4.7	5.9	6.1	5.8	6.4	7.9	12.3	10.2	2.4	1.5	6.0
1946 ²	4.9	5.9	5.4	6.6	5.9	8.4	13.2	9.4	2.4	1.4	6.0
1945.....	3.9	5.9	4.6	5.8	5.5	5.7	12.3	9.1	2.4	0.9	4.7
1944.....	3.7	6.9	4.9	5.8	5.5	5.5	12.5	9.0	2.3	0.9	4.7
1943.....	3.9	6.7	5.4	6.8	4.5	6.6	11.0	8.5	2.3	1.3	5.0
1942.....	4.9	6.3	6.0	6.9	4.4	5.7	9.8	8.6	2.0	1.1	5.1
1941.....	4.2	5.9	4.7	5.9	4.5	6.7	13.5	10.5	2.7	1.0	5.2
1940.....	5.6	6.7	4.6	6.3	4.5	7.7	13.1	11.0	2.7	1.7	5.7
1939.....	4.7	6.5	4.4	6.3	4.5	7.0	14.2	9.9	3.0	2.3	5.5
1938.....	5.1	7.1	4.3	6.3	4.5	7.3	12.9	8.9	3.3	2.1	5.5
1937.....	5.6	8.0	3.8	6.1	4.7	7.2	11.7	7.2	3.4	2.5	5.5
1936.....	5.2	7.5	3.8	6.3	4.2	6.9	11.8	6.6	3.5	2.1	5.2
1935.....	5.7	7.7	3.7	7.1	5.5	8.0	10.8	5.6	3.4	2.8	5.8
1934.....	6.1	8.3	3.5	6.6	6.0	8.0	11.2	4.9	3.2	3.6	6.0
1933.....	5.8	8.5	3.6	7.1	5.6	7.1	10.0	4.2	4.0	3.6	5.7
1932.....	4.4	9.6	3.1	7.5	4.7	6.7	10.9	3.9	3.6	3.6	5.3
1931.....	4.1	10.0	3.4	7.2	4.0	5.7	7.8	3.5	4.7	2.5	4.7
1930.....	4.3	11.8	4.2	7.4	4.5	6.4	11.1	3.9	4.6	3.1	5.3
1929.....	4.7	10.9	4.8	8.7	5.1	6.8	9.5	2.7	6.0	3.5	5.7
1928.....	5.0	11.1	6.4	9.2	6.0	8.4	9.8	2.8	7.0	4.0	6.5
1927.....	6.9	13.3	6.9	9.0	6.7	8.8	10.8	3.4	7.4	2.7	6.8
1926.....	9.4	14.8	7.1	9.2	7.6	10.9	11.8	3.0	7.2	3.4	7.9
1925.....	10.6	13.6	9.1	9.3	6.6	10.1	9.4	4.1	8.4	3.5	8.1
1924.....	10.2	15.9	10.1	10.2	8.1	11.5	14.5	6.9	8.8	4.8	9.3
1923.....	11.5	16.9	10.1	9.5	11.7	12.5	16.4	9.2	11.1	3.4	9.6
1922.....	13.2	16.5	10.4	11.1	11.5	13.7	15.7	10.0	10.8	4.5	11.0
1921.....	11.1	19.1	10.4	11.4	10.5	13.0	11.2	14.3	10.7	4.5	10.4

¹ Preliminary.

² Beginning with 1946, yields are calculated on a total input basis; prior to 1946, on a crude-runs-to-stills basis.

Authority: Bureau of Mines.

Appalachian Refineries Yield Largest Percentage of Lubricating Oils

PERCENTAGE YIELD OF LUBRICATING OILS PER BARREL OF CRUDE OIL, BY U. S. REFINERY DISTRICTS AND BY YEARS, 1921-1949

Year	East Coast	Appa- lachian	Indiana, Illinois, Ken- tucky	Okla- homa, Kan- sas, Mis- souri	Texas Inland	Texas Gulf Coast	Louisi- ana Gulf Coast	Ar- kansas Lousi- ana Inland	Rocky Moun- tain	Cali- fornia	United States Average
1949 ¹	3.0	8.9	1.3	2.4	0.2	3.3	1.4	3.9	0.4	1.4	2.3
1948.....	3.5	8.8	1.5	3.7	0.4	3.2	1.2	4.5	0.5	1.2	2.5
1947.....	3.7	9.1	1.7	3.8	0.4	3.5	1.7	5.9	0.6	1.5	2.8
1946 ²	3.3	9.3	1.7	3.9	0.4	3.2	1.7	6.3	0.6	1.2	2.6
1945.....	3.1	8.7	1.6	3.9	0.3	2.7	2.1	5.2	0.6	1.2	2.4
1944.....	3.2	9.4	1.6	3.5	0.3	2.6	2.6	5.1	0.6	1.3	2.5
1943.....	3.7	10.3	1.8	3.6	0.3	3.0	3.4	4.2	0.7	1.3	2.7
1942.....	4.8	11.2	1.6	3.3	0.4	3.1	3.9	4.3	0.7	1.2	2.9
1941.....	4.0	12.0	1.7	3.1	0.5	2.7	3.9	2.3	0.6	1.5	2.8
1940.....	4.2	12.5	1.6	3.0	0.4	2.7	3.6	2.7	0.6	1.7	2.8
1939.....	4.7	14.0	1.6	2.8	0.3	2.5	3.1	2.2	0.7	1.4	2.8
1938.....	4.2	14.7	1.6	2.6	0.3	2.5	2.3	1.9	0.8	1.1	2.6
1937.....	4.7	15.1	2.1	3.0	0.3	2.8	2.5	1.9	1.3	1.3	3.0
1936.....	4.5	14.7	2.2	3.0	0.3	2.6	2.0	2.2	1.4	1.1	2.9
1935.....	4.5	14.0	2.1	3.1	0.4	2.8	1.4	1.2	1.4	1.0	2.9
1934.....	4.3	14.6	2.0	3.1	0.5	3.1	1.0	0.7	1.4	1.1	2.9
1933.....	4.4	13.6	1.6	2.5	0.5	3.1	1.0	0.6	1.2	1.0	2.8
1932.....	4.1	12.0	1.9	2.8	0.5	3.2	0.8	0.9	1.3	0.9	2.7
1931.....	4.8	12.5	2.2	2.7	0.4	3.4	1.1	1.1	2.0	1.2	3.0
1930.....	5.9	15.9	3.8	2.7	0.6	4.9	1.6	0.8	2.3	1.2	3.7
1929.....	6.3	15.5	3.5	2.3	0.6	4.8	1.6	0.6	2.3	1.0	3.5
1928.....	6.3	15.2	4.0	2.4	0.8	5.8	1.4	0.1	2.4	1.1	3.8
1927.....	6.7	15.2	4.4	2.3	1.0	5.7	1.5	..	2.4	1.1	3.8
1926.....	7.3	16.8	4.7	2.6	0.9	6.4	1.6	0.1	2.2	1.3	4.1
1925.....	7.2	18.0	4.8	2.6	1.4	6.6	1.4	0.4	2.2	1.4	4.2
1924.....	6.0	19.4	4.5	2.8	1.3	6.7	1.9	0.6	1.8	1.7	4.3
1923.....	6.4	18.7	4.9	2.8	0.4	8.3	1.9	0.2	1.7	1.5	4.5
1922.....	7.2	18.3	4.0	2.5	0.5	6.9	2.8	0.2	1.8	1.9	4.7
1921.....	6.5	18.3	5.9	2.4	0.4	6.9	1.2	..	2.0	2.2	4.7

¹ Preliminary.

² Beginning with 1946, yields are calculated on a total input basis; prior to 1946, on a crude-runs-to-stills basis.

Authority: Bureau of Mines

Value of Products Shipped in 1947 by U. S. Refineries 4 Billion Dollars Above Prewar

VALUE OF PRODUCTS SHIPPED BY U. S. PETROLEUM-REFINING INDUSTRY, BY STATES AND BY YEARS, 1889-1947

(Millions of Dollars)

State	1947	1939	1937	1935	1933	1931	1929	1927	1925	1923	1921	1919	1914	1909	1899	1889
Arkansas	50	14	14	10	7	10	19	13	12	2	(3)	(3)	..	..	..	..
California	967	368	356	265	213	249	485	357	370	267	259	213	..	..	..	..
Illinois	407	123	116	81	58	63	104	85	99	59	55	65	..	..	..	..
Indiana	337	183	190	150	113	127	(3)	113	(3)	(3)	(3)	(3)	..	..	..	..
Kansas	(8)	89	102	82	49	52	98	74	102	56	52	64	9	4	(3)	..
Kentucky	(8)	21	21	16	12	13	17	8	12	13	13	(3)	..	(3)	..	..
Louisiana	480	110	122	82	64	68	152	138	167	102	94	75	..	..	..	..
Maryland	(8)	(3)	(3)	(3)	(3)	(3)	43	(3)	(3)	35	38	(3)	(3)	(3)	(3)	(3)
Massachusetts	(8)	(3)	(3)	(3)	(3)	(3)	31	40	36	(3)	..	..	..	..	..	..
Michigan	(8)	37	22	16	11	7	(3)	..	..	..	..	..	..	..	(3)	..
Missouri	(8)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	..	..	..	..	..	..	..
Montana	(8)	13	11	7	4	5	8	9	5	3	(3)	..	(3)	(3)	..	..
New Jersey	533	214	216	158	131	169	297	273	297	242	245	281	91	..	..	..
New Mexico	(3)	4	3	2	1	(3)	2	2	(3)	..	..	..	..	..	..	..
New York	159	46	46	(3)	35	31	46	40	47	49	70	(3)	(3)	(3)	27	26
Ohio	242	84	97	68	50	51	68	53	63	52	46	43	11	11	8	16
Oklahoma	278	107	144	107	74	83	184	153	182	132	132	151	13	1	..	..
Pennsylvania	261	226	230	244	166	173	243	187	190	158	149	179	53	53	35	18
Texas	1,755	699	690	438	298	310	519	430	488	345	338	242	(3)	(3)	(3)	(3)
West Virginia	(3)	11	12	10	8	10	17	15	14	12	12	(3)	(3)	(3)	(3)	(3)
Wyoming	72	25	30	25	17	31	69	61	84	86	57	(3)	(3)	..	..	..
Other states	753	88	93	115	66	72	235	206	210	183	167	296	147	150	23	2
U. S. total	6,624	2,461	2,547	1,839	1,379	1,524	2,640	2,143	2,377	1,794	1,727	1,633	396	237	124	85

¹ Net selling value f.o.b. plant, after discounts and allowances, and excluding freight charges and excise taxes.

² Included in "other states."

Authority Bureau of the Census

Fewer Refineries Do Bigger Job

NUMBER AND CAPACITY OF U. S. REFINERIES, BY YEARS, 1918-1949

Year As of January 1:	Number of Refineries					Capacity (Barrels Per Day)				
	Oper- ating	Shut- down	Total Oper- ating and Shut- down	Build- ing	Total Oper- ating, Shut- down, and Build- ing	Oper- ating	Shut- down	Total Oper- ating and Shut- down	Build- ing	Total Oper- ating, Shut- down, and Build- ing
1950	320	47	367	2	369	6,222,998	473,302	6,696,300	145,600	6,841,900
1949	336	39	375	3	378	6,230,505	208,490	6,438,995	341,500	6,780,495
1948	352	38	390	2	392	5,825,566	208,686	6,034,252	367,250	6,401,502
1947	361	38	399	...	399	5,336,399	233,083	5,569,482	162,200	5,731,682
1946	364	29	393	1	394	5,086,165	229,691	5,315,856	53,100	5,368,956
1945	380	33	413	1	414	5,077,690	223,463	5,301,153	36,075	5,337,228
1944	384	68	452	...	452	4,709,382	383,641	5,093,023	118,270	5,211,293
1943	386	85	471	1	472	4,409,013	492,998	4,902,011	195,100	5,097,111
1942	430	92	522	1	523	4,496,843	459,756	4,956,599	43,400	4,999,999
1941	420	136	556	6	562	4,180,588	538,381	4,718,969	141,225	4,860,194
1940	461	86	547	10	557	4,196,694	431,952	4,628,646	92,567	4,721,213
1939	435	103	538	7	545	3,933,785	574,770	4,508,555	142,250	4,650,805
1938 ²	431	120	551	10	561	3,970,196	380,955	4,351,151	283,020	4,634,171
1938 ³	431	120	551	10	561	4,151,276	199,875	4,351,151	22,550	4,373,701
1937	423	149	572	11	583	3,966,616	328,265	4,294,881	81,200	4,376,081
1936	422	210	632	15	647	3,749,835	367,212	4,117,047	46,899	4,163,946
1935	435	196	631	7	638	3,614,749	443,751	4,058,500	13,900	4,072,400
1934	454	137	591	13	604	3,553,569	364,648	3,918,217	44,450	3,962,667
1933	372	133	505	18	523	3,445,118	444,392	3,889,510	31,545	3,921,055
1932	365	108	473	6	479	3,624,992	389,616	4,014,608	8,720	4,023,328
1931	346	89	435	10	445	3,706,610	236,075	3,942,685	45,000	3,987,685
1930	358	54	412	8	420	3,634,825	130,760	3,765,585	37,200	3,802,785
1929	341	72	413	14	427	3,325,890	183,650	3,509,540	99,000	3,608,540
1928	326	97	423	5	428	3,036,125	214,255	3,250,380	22,000	3,272,380
1927	327	138	465	7	472	2,834,282	226,725	3,061,007	61,000	3,122,007
1926	352	158	510	2	512	2,562,357	290,610	2,852,967	5,500	2,858,467
1925	365	185	550	4	554	2,511,817	342,025	2,853,842	11,000	2,864,842
1925 (May 1)	357	184	541	6	547	2,489,927	337,910	2,827,837	37,000	2,864,837
1924 (November 1)	357	190	547	8	555	2,480,922	333,410	2,814,332	18,200	2,832,532
1922	325	154	479	30	509	1,854,590	254,610	2,109,200	59,950	2,169,150
1921	350	65	415	44	459	1,794,395	94,405	1,888,800	76,600	1,965,400
1920	373 ⁴	(⁴)	373	99	472	1,530,565 ⁴	(⁴)	1,530,565	263,500	1,794,065
1919 .....	...	...	...	...	289	1,295,115	...	1,295,115	...	1,295,115
1918 .....	...	...	...	...	267	1,186,155	...	1,186,155	...	1,186,155

² Capacity reported on new basis in 1938 and subsequent years. Shutdown capacity includes capacity of inoperative portions of operating plants as well as capacity of plants completely shut down. Capacity of facilities under construction includes the capacity of construction to augment existing plants as well as new plants.

³ Old basis, comparable with previous years. Shutdown capacity includes only capacity of plants completely shut down. Capacity of facilities under construction includes only that of new plants in process of erection—not additions to existing plants.

⁴ "Shutdown" plants are included with "operating."

Authority: Bureau of Mines.

Texas and California Lead in Refinery Number and Capacity

NUMBER AND CAPACITY OF U. S. REFINERIES, BY STATES, JANUARY 1, 1950

State	(Barrels Per Day)				Crude-Oil Capacity (Barrels Per Day)			
	Number of Refineries				Total			
	Oper- ating	Shut- down	Oper- ating and Shutdown	Build- ing	Oper- ating	Shut- down	Oper- ating and Shutdown	Build- ing
Alabama	1	1	2	..	3,000	5,000	8,000	....
Arkansas	6	..	6	..	54,950	2,400	57,350	....
California	49	8	57	..	1,057,400	71,800	1,129,200	....
Colorado	7	..	7	..	22,300	....	22,300	1,500
Delaware	1	..	1	..	3,500	....	3,500	....
Georgia	1	..	1	..	5,500	....	5,500	....
Idaho	1	..	1	..	4,500	....	4,500	....
Illinois	14	5	19	..	370,675	37,800	408,475	....
Indiana	8	1	9	..	341,800	11,000	352,800	....
Kansas	16	..	16	..	201,350	200	201,550	10,000
Kentucky	7	..	7	..	79,100	....	79,100	....
Louisiana	12	3	15	..	466,500	11,000	477,500	....
Maryland	3	..	3	..	54,250	4,700	58,950	4,700
Massachusetts ..	1	..	1	..	24,000	14,000	38,000	....
Michigan	16	1	17	..	101,776	11,224	113,000	2,000
Minnesota	1	1	2	..	5,000	3,000	8,000	....
Mississippi	2	..	2	..	8,000	....	8,000	....
Missouri	1	..	1	..	37,800	....	37,800	....
Montana	8	6	14	..	54,650	5,300	59,950	....
Nebraska	3	2	5	..	3,500	3,300	6,800	....
New Jersey	6	..	6	..	359,000	18,000	377,000	70,000
New Mexico	8	1	9	..	17,025	975	18,000	....
New York	6	..	6	..	87,569	6,431	94,000	....
Ohio	12	..	12	..	244,700	10,000	254,700	36,000
Oklahoma	20	3	23	1	252,500	33,850	286,350	4,700
Oregon	1	..	1	..	4,200	....	4,200	2,000
Pennsylvania ..	17	..	17	..	476,750	24,000	500,750	....
Rhode Island ..	3	..	3	..	13,000	....	13,000	....
South Carolina ..	1	..	1	..	6,500	....	6,500	....
South Dakota ..	2	..	2	..	275	25	300	....
Tennessee	1	1	2	..	4,000	750	4,750	....
Texas	59	8	67	1	1,687,188	192,462	1,879,650	3,000
Utah	5	..	5	..	57,900	....	57,900	1,200
Washington	1	..	1	..	5,500	....	5,500	....
West Virginia ..	3	1	4	..	12,500	2,500	15,000	....
Wisconsin	1	..	1	..	6,000	....	6,000	....
Wyoming	16	5	21	..	88,840	3,585	92,425	10,500
U. S. total...	320	47	367	2	6,222,998	473,302	6,696,300	145,600

Authority: Bureau of Mines.

U. S. Refinery Capacity Exceeds 6½ Million Barrels Daily

U. S. REFINERY CAPACITY COMPARED WITH CRUDE-OIL RUNS TO STILL

(Barrels of 42 U. S. Gallons)

Refinery District	Daily Operating Capacity ² (January 1, 1950)	Daily Average Crude-Oil Runs to Stills in 1949
East Coast	992,450	768,101
Appalachian No. 1	119,750	91,548
Appalachian No. 2	70,000	63,386
Indiana, Illinois, Kentucky, etc.....	1,156,825	914,942
Oklahoma, Kansas, Missouri, etc.....	532,800	425,249
Texas Inland	264,400	217,208
Texas Gulf Coast.....	1,615,250	1,286,033
Louisiana Gulf Coast.....	467,000	432,241
Arkansas and Louisiana, Inland.....	83,850	75,115
New Mexico	18,000	11,827
Other Rocky Mountain.....	237,075	165,323
California	1,138,900	879,214
U. S. total.....	6,696,300	5,330,189

² Includes both operating and shutdown capacity.

Authority: Bureau of Mines.

Daily Operating Capacity of U. S. Refineries Up 400,000 Barrels Since 1948

U. S. REFINERY CAPACITY AND AVERAGE CRUDE-OIL RUNS TO STILLS, BY YEARS, 1918-1950

(Thousands of Barrels)

Year	Daily Average Crude-Oil Capacity as of January 1					Estimated Annual Operating Crude-Oil Capacity (Daily Average)	Actual Crude-Oil Runs to Stills (Daily Average)
	Oper- ating	Shut- down	Total Operating and Shutdown	Build- ing	Total Operating, and Building		
1950	6,223	473	6,696	146	6,842	(²)	(²)
1949	6,231	208	6,439	342	6,780	6,225	5,330
1948	5,826	209	6,035	367	6,402	6,030	5,597
1947	5,336	233	5,569	162	5,732	5,580	5,075
1946	5,086	230	5,316	53	5,369	5,210	4,740
1945	5,078	223	5,301	36	5,337	5,080	4,711
1944	4,709	384	5,093	118	5,211	4,895	4,551
1943	4,409	493	4,902	195	5,097	4,560	3,917
1942	4,497	460	4,957	43	5,000	4,455	3,655
1941	4,181	538	4,719	141	4,860	4,340	3,861
1940	4,197	432	4,629	93	4,721	4,190	3,536
1939	3,934	575	4,509	142	4,651	4,065	3,391
1938	3,970	381	4,351	283	4,634	3,950	3,192
1937	3,967	328	4,295	81	4,376	3,970	3,242
1936	3,750	367	4,117	47	4,164	3,860	2,920
1935	3,615	444	4,059	14	4,072	3,680	2,646
1934	3,554	365	3,919	44	3,963	3,585	2,454
1933	3,445	444	3,889	32	3,921	3,500	2,360
1932	3,625	390	4,015	9	4,023	3,535	2,240
1931	3,707	236	3,943	45	3,988	3,665	2,451
1930	3,635	131	3,766	38	3,803	3,670	2,541
1929	3,326	184	3,510	99	3,609	3,480	2,706
1928	3,036	214	3,250	22	3,272	3,180	2,495
1927	2,834	227	3,061	61	3,122	2,935	2,271
1926	2,562	291	2,853	6	2,858	2,700	2,135
1925	2,490	338	2,828	37	2,865	2,525	2,027
1924 ³	2,300	(²)	2,300	(²)	2,865	2,395	1,759
1923 ³	2,075	(²)	2,075	(²)	2,833	2,185	1,592
1922	1,855	255	2,110	60	2,169	1,965	1,372
1921	1,794	94	1,888	77	1,965	1,825	1,215
1920	1,531	(⁴)	1,531	264	1,795	1,665	1,186
1919	1,295	...	1,295	...	1,295	1,415	991
1918	1,186	...	1,186	...	1,186	1,240	893

² Not available.

³ Estimates of Petroleum Industry War Council.

⁴ "Shutdown" plants are included with "operating."

Authority: Bureau of Mines.

Refineries Operating in 37 States

U. S. CRUDE-OIL CAPACITY OF OPERATING REFINERIES, BY STATES, 1918-1949

Year As of December 31	Ala- bama	Ari- zona	Ar- kansas	Cal- ifornia	Colo- rado	Del- aware	Georgia	Idaho	Illinois	Indiana	Iowa	Kansas	Ken- tucky	Louisiana
1949 ¹	3,000	....	54,950	1,057,400	22,300	3,500	5,500	4,500	370,675	341,800	....	201,350	79,100	466,500
1948	11,000	....	55,400	1,022,600	17,050	3,500	5,500	4,500	343,175	340,000	....	185,850	71,800	458,700
1947	3,000	....	52,600	1,008,650	12,800	3,500	5,500	3,500	332,925	275,710	....	197,650	58,300	400,900
1946	3,000	....	48,500	954,600	15,000	3,500	5,500	3,500	301,300	257,710	....	184,000	53,800	366,350
1945	....	....	48,400	964,100	14,500	3,500	4,000	2,100	301,100	254,300	....	190,500	51,500	283,230
1944	....	....	45,800	886,950	14,800	....	4,000	2,100	302,150	352,200	....	191,400	58,750	271,030
1943	....	....	43,800	859,000	13,400	....	4,000	....	290,700	259,030	....	185,800	52,950	271,030
1942	4,000	....	44,000	812,150	13,825	3,500	4,000	2,500	286,950	243,100	....	187,800	57,450	222,700
1941 ²	4,000	....	37,500	819,150	17,075	3,500	4,000	2,300	276,050	232,450	....	177,200	53,950	217,200
1940	4,000	....	34,000	761,510	11,175	3,500	4,000	1,800	226,400	204,850	....	160,900	42,250	175,500
1939	4,000	....	38,250	836,760	15,675	3,500	4,000	2,000	197,700	240,250	....	169,700	41,900	209,600
1938	4,000	....	35,250	780,510	8,300	3,500	4,000	1,500	151,650	194,100	....	148,275	30,350	192,850
1937	4,000	....	33,250	718,610	6,750	3,500	4,000	....	136,410	208,000	....	160,660	24,000	199,750
1936	4,000	....	36,250	798,860	4,850	3,500	4,000	....	136,600	210,000	....	172,100	25,000	198,650
1935	4,000	....	37,200	759,160	4,940	2,000	3,000	....	123,000	203,200	....	174,100	26,600	183,000
1934	4,000	....	38,250	759,435	6,070	2,000	9,000	....	121,750	192,700	....	163,545	25,600	173,050
1933	6,000	....	38,050	755,210	6,070	....	9,000	....	120,550	184,400	....	160,381	23,700	174,750
1932	....	....	41,500	783,135	5,730	....	5,000	....	128,000	197,000	....	150,380	23,000	170,050
1931	....	....	41,000	822,010	5,630	....	5,000	....	128,200	171,050	....	140,080	26,100	183,500
1930	....	....	46,000	871,430	4,100	....	5,000	....	137,700	187,000	2,000	141,000	27,750	193,200
1929	....	1,000	41,500	888,730	4,100	....	5,000	....	137,500	160,000	3,500	130,000	28,260	217,380
1928	....	900	35,000	841,460	3,350	....	5,000	....	106,300	147,500	....	126,500	18,200	216,330
1927	....	800	29,500	811,600	3,450	....	5,000	....	97,500	112,500	....	117,200	9,400	195,380
1926	....	600	28,900	779,125	3,700	....	4,500	....	89,200	76,000	....	115,200	18,200	200,380
1925	....	600	25,040	669,050	1,700	....	4,500	....	80,200	72,000	....	110,000	17,100	161,680
1925 ⁴	....	600	22,190	700,620	1,700	....	4,500	....	76,000	70,600	1,500	45,000	16,400	145,900
1924 ⁵	....	500	18,190	654,320	1,700	....	4,500	....	74,000	54,500	....	110,000	13,900	143,500
1921	....	....	10,100	314,360	1,700	....	4,000	....	62,050	54,300	....	57,650	13,900	114,350
1920	....	....	....	312,700	1,750	....	4,000	....	54,600	53,200	....	64,050	15,200	116,500
1919	....	....	600	310,320	1,700	....	4,000	....	58,000	47,200	....	80,200	11,700	72,595
1918	....	....	300	280,870	1,500	....	....	....	46,000	36,500	....	71,350	2,600	67,925

U. S. CRUDE-OIL CAPACITY OF OPERATING REFINERIES, BY STATES, 1918-1949—Continued

(Barrels Per Day)

Year As of December 31	Mary- land	Massa- chusetts	Michi- gan	Minne- sota	Missis- sippi	Mis- sour	Mon- tana	Nebraska	New Jersey	New Mexico	New York	Ohio	Okla- homa	Oregon
1949 ¹	54,250	24,000	101,776	5,000	8,000	37,800	54,650	3,500	359,000	17,025	87,569	244,700	252,500	4,200
1948	67,200	53,000	104,870	5,000	8,000	37,100	39,600	3,500	337,000	14,350	94,000	236,300	266,750	4,200
1947	63,800	53,000	106,416	8,000	8,000	31,900	40,450	6,550	278,400	14,900	87,900	230,300	236,180	4,200
1946	56,000	40,880	88,975	8,000	7,750	26,500	36,250	3,550	277,955	12,500	83,310	224,300	211,600	.....
1945	62,900	54,000	90,950	4,500	3,500	26,500	42,650	7,650	278,000	16,950	80,700	209,200	216,260	.....
1944	62,800	55,000	99,500	4,500	3,000	25,000	38,630	9,000	258,000	18,150	78,700	215,200	192,160	.....
1943	62,900	55,000	99,150	2,700	3,000	25,500	33,080	9,000	245,700	11,750	76,800	206,300	204,550	.....
1942	42,500	54,860	94,000	7,500	7,000	25,100	37,695	9,650	238,200	9,550	60,000	190,500	213,330	.....
1941 ²	52,500	54,880	95,300	7,500	7,000	25,100	47,970	9,425	251,700	9,150	71,550	189,500	198,580	.....
1940	42,500	52,600	73,950	2,400	4,000	23,000	32,134	5,060	222,950	7,350	71,700	152,100	190,280	.....
1939	47,500	55,600	88,800	1,500	.....	22,300	37,145	4,350	231,700	8,100	66,700	150,400	200,500	..
1938	41,800	39,000	59,080	.....	.....	15,700	23,164	860	219,333	10,325	62,200	126,300	210,100	..
1937	43,500	35,200	52,600	.....	.....	15,970	24,435	948	232,700	7,325	61,000	126,600	213,950	..
1936	60,500	41,000	53,450	.....	.....	21,700	23,896	773	267,000	7,100	58,700	123,300	237,850	.....
1935	55,000	34,500	37,800	.....	.....	18,000	21,645	498	255,600	6,900	57,000	107,930	252,420	.....
1934	55,000	30,000	32,550	..	.....	16,500	16,933	248	261,000	7,400	56,700	109,420	245,520	....
1933	55,000	30,000	20,900	..	.....	16,500	19,240	335	258,500	6,400	56,700	106,420	268,909	..
1932	55,000	48,000	18,000	.....	.....	22,000	17,359	60	255,000	5,950	40,600	97,610	277,220	..
1931	50,000	48,000	14,800	.....	.....	19,500	16,500	.....	310,000	5,300	49,500	101,122	285,300	..
1930	42,000	42,000	14,760	.....	.....	21,500	19,650	.....	307,000	6,300	40,500	82,580	316,900	..
1929	50,000	42,000	13,500	.....	.....	16,000	18,800	.....	307,500	2,550	34,500	86,280	287,500	..
1928	40,000	70,000	1,500	.....	.....	14,500	17,500	.....	291,000	3,450	34,500	68,050	274,700	.....
1927	47,000	61,000	1,500	.....	.....	15,500	24,500	.....	286,000	3,100	30,700	55,050	243,300	.....
1926	47,000	52,500	.....	1,000	.....	13,500	17,450	.....	261,000	2,750	34,500	46,550	236,300	..
1925	39,000	52,500	.....	.....	.....	13,500	16,250	.....	237,000	2,800	34,500	46,075	222,100	..
1925 ⁴	39,000	52,500	.....	1,000	200	13,500	8,350	.....	237,000	750	34,500	45,250	243,900	.....
1924 ⁵	44,200	52,500	.....	1,000	200	13,500	7,000	.....	235,000	.....	34,500	42,950	234,900	.....
1921	42,000	35,000	.....	1,500	.....	14,500	3,400	.....	224,000	.....	34,500	44,150	234,650	.....
1920	42,000	35,000	.....	1,000	.....	15,000	.....	.....	215,500	.....	35,000	34,100	248,050	..
1919	15,500	.....	.....	1,500	.....	15,775	.....	500	110,500	.....	34,500	24,500	248,900	..
1918	15,500	.....	.....	300	.....	16,375	.....	.....	100,000	.....	34,500	24,360	233,300	.....

U. S. CRUDE-OIL CAPACITY OF OPERATING REFINERIES, BY STATES, 1918-1949—Continued

Year As of December 31	Penn- sylvania	Rhode Island	South Carolina	South Dakota	Ten- nessee	Texas	Utah	Virginia	Wash- ington	West Virginia	Wis- consin	Wyo- ming	Total United States
1949 ¹	476,750	13,000	6,500	275	4,000	1,687,188	57,900	....	5,500	12,500	6,000	88,840	6,222,998
1948.....	460,850	12,700	6,500	100	5,000	1,798,200	51,900	....	5,500	15,000	5,000	82,310	6,230,505
1947.....	444,650	14,000	6,500	75	6,250	1,692,250	26,480	....	5,500	14,500	5,000	83,330	5,825,566
1946.....	426,110	14,500	6,900	60	5,500	1,484,175	22,679	....	9,800	14,200	5,000	71,165	5,336,399
1945.....	426,300	10,400	6,000	100	6,000	1,496,215	23,100	2,000	6,000	14,000	5,000	82,300	5,288,405
1944.....	407,900	6,900	6,000	100	6,500	1,506,850	17,900	....	5,000	14,300	6,000	82,060	5,248,430
1943.....	396,600	6,900	6,000	100	5,000	1,441,800	20,000 ³	....	5,000	14,800	5,000	62,060	4,978,400
1942.....	389,500	9,000	6,000	400	4,800	1,417,000	12,500	2,000	6,000	15,000	5,000	61,005	4,779,975
1941.....	360,300	9,000	6,000	410	3,500	1,442,000	11,000	2,000	4,100	13,200	6,000	61,615	4,783,635
1940.....	324,466	12,500	6,000	470	....	1,250,875	9,200	2,000	3,100	11,100	5,000	45,998	4,180,588
1939.....	313,650	12,500	5,000	430	150	1,339,700	9,000	2,000	2,200	9,000	5,000	54,418	4,430,978
1938.....	273,550	12,500	3,500	320	150	1,215,435	9,200	2,000	....	10,500	....	47,533	3,933,785
1937.....	286,250	11,000	5,000	410	200	1,171,180	9,700	2,000	....	10,500	....	52,798	3,970,196
1936.....	305,075	11,000	6,500	375	100	1,081,775	8,200	2,000	....	10,500	....	52,012	3,966,616
1935.....	291,675	7,000	6,500	226	100	961,870	7,500	2,000	....	14,500	....	44,971	3,749,835
1934.....	295,750	7,000	6,500	287	50	906,859	7,500	2,000	....	16,000	....	46,132	3,614,749
1933.....	282,750	11,000	6,500	80	50	864,744	7,500	2,000	....	15,500	....	42,350	3,553,569
1932.....	245,850	6,500	6,500	....	58	769,070	7,000	1,500	....	18,000	....	44,455	3,445,118
1931.....	247,500	11,500	6,000	....	75	804,165	6,000	1,500	....	17,600	....	112,140	3,622,092
1930.....	236,250	11,500	15,000	....	....	795,600	7,000	1,500	....	16,100	....	113,350	3,706,610
1929.....	225,700	11,500	15,000	....	....	773,275	6,000	1,500	....	14,500	....	111,750	3,634,825
1928.....	205,650	11,200	15,000	....	500	658,100	4,500	1,500	....	14,500	....	100,700	3,325,890
1927.....	192,950	12,500	12,000	....	....	543,820	4,500	2,500	5,000	11,800	....	98,775	3,036,125
1926.....	157,610	15,000	15,000	....	250	501,250	4,500	5,000	....	10,200	....	92,817	2,834,282
1925.....	150,095	15,000	10,000	....	....	467,900	4,750	5,000	....	10,200	....	92,817	2,562,357
1924 ⁴	138,610	15,000	10,000	....	....	475,130	4,800	5,000	....	9,500	....	92,817	2,511,817
1923.....	126,215	15,000	10,000	....	....	444,690	4,500	5,000	....	13,500	....	120,567	2,480,922
1921.....	114,930	15,000	10,000	....	500	345,150	4,000	....	....	9,000	....	89,900	1,854,590
1920.....	116,695	15,000	....	....	500	330,800	4,000	5,000	....	7,700	....	65,050	1,794,395
1919.....	102,175	....	....	....	500	316,800	4,200	....	....	7,900	....	61,000	1,530,565
1918.....	90,935	....	....	....	....	212,050	800	....	....	7,700	....	52,250	1,295,115

¹ Data for the years 1918 through 1941, and for 1946 through 1949, are from the Bureau of Mines. Because the Bureau of Mines discontinued its refinery survey from 1942 through 1945, the data for these years are from the *Oil and Gas Journal*.

² Includes Idaho.

³ As of May 1, 1925.

⁴ As of Nov. 1, 1924. No data available for 1922 and 1923.

Authority: See footnote (2).

U. S. Refinery Building Program Extensive in 1948 and 1949 CHANGES IN U. S. REFINERY CAPACITY, BY DISTRICTS, 1948 AND 1949

(Barrels of 42 U. S. Gallons)

Refinery District	Total			Total			Total
	Operating and Shutdown January 1, 1948	Added in 1948	Retired in 1948	Operating and Shutdown January 1, 1949	Operating January 1, 1949	Shutdown January 1, 1949	Operating, Shutdown, and Building January 1, 1949
East Coast	853,400	86,700	5,000	935,100	935,100	..	1,019,600
Appalachian No. 1	123,950	1,500	5,800	119,650	119,650	..	119,650
Appalachian No. 2	67,500	2,300	..	70,000	70,000	..	73,000
Indiana, Illinois, Kentucky, etc.	991,080	113,950	7,225	1,098,875	1,041,145	57,730	1,168,175
Oklahoma, Kansas, Missouri, etc.	486,335	42,500	33,360	502,175	491,300	10,875	535,675
Texas Inland	298,350	46,500	24,400	290,650	279,100	11,550	293,150
Texas Gulf Coast	1,423,650	226,250	99,800	1,550,100	1,519,100	31,000	1,640,100
Louisiana	387,000	102,700	42,000	444,000	447,000	..	447,000
Louisiana Gulf Coast	115,000	6,700	25,100	99,000	86,100	9,900	96,000
Arkansas and Louisiana Inland	15,250	..	..	15,300	14,350	950	15,300
New Mexico	169,167	42,950	3,472	208,645	195,360	13,285	246,345
Other Rocky Mountain	1,103,400	18,100	16,000	1,105,500	1,032,300	73,200	1,126,500
U. S. total	6,034,252	667,600	262,857	6,438,995	6,230,505	208,490	6,780,495

Refinery District	Total			Total			Total
	Operating and Shutdown January 1, 1949	Added in 1949	Retired in 1949	Operating and Shutdown January 1, 1950	Operating January 1, 1950	Shutdown January 1, 1950	Operating, Shutdown, and Building January 1, 1950
East Coast	935,100	119,100	61,750	992,450	925,319	67,131	1,067,150
Appalachian No. 1	119,650	600	500	119,750	117,250	2,500	119,750
Appalachian No. 2	70,000	..	..	70,000	70,000	..	70,000
Indiana, Illinois, Kentucky, etc.	1,098,875	62,700	4,750	1,156,825	1,083,051	73,774	1,194,825
Oklahoma, Kansas, Missouri, etc.	502,175	57,900	27,275	532,800	495,425	37,375	547,500
Texas Inland	290,650	8,650	34,900	264,400	241,938	22,462	267,400
Texas Gulf Coast	1,550,100	114,500	49,350	1,615,250	1,445,250	170,000	1,615,250
Louisiana	444,000	33,000	10,000	467,000	457,500	9,500	467,000
Louisiana Gulf Coast	99,000	300	15,450	74,950	74,950	8,900	83,850
Arkansas and Louisiana Inland	15,300	2,700	..	18,000	17,025	975	18,000
New Mexico	208,645	208,645	21,420	237,075	228,190	8,885	250,275
Other Rocky Mountain	1,105,500	60,900	27,500	1,138,900	1,067,100	71,800	1,140,900
U. S. total	6,438,995	510,200	252,895	6,696,300	6,222,998	473,302	6,841,900

Authority: Bureau of Mines

U. S. Cracking Capacity Doubles Since 1938

SUMMARY OF U. S. CRACKING PLANTS, BY YEARS, 1925-1950¹

Year	Capacity (Barrels Per Day)			
	Operating	Shutdown	Total Operating and Shutdown	Building
Jan. 1, 1950	1,732,241	88,442	1,820,683	94,045
Jan. 1, 1949	1,638,783	76,490	1,715,273	136,602
Jan. 1, 1948	1,556,958	67,200	1,624,158	172,200
Jan. 1, 1947	1,412,814	101,808	1,514,622	80,000
Jan. 1, 1946	1,386,162	113,613	1,499,775	57,870
Jan. 1, 1945	1,439,226	48,688	1,487,914	14,100
Jan. 1, 1944	1,236,343	50,102	1,286,445	189,244
Jan. 1, 1943	1,117,533	71,810	1,189,343	155,984
Jan. 1, 1942	1,144,594	49,105	1,193,699	28,985
Jan. 1, 1941	1,021,006	82,042	1,103,048	48,145
Jan. 1, 1940	964,665	81,549	1,046,214	58,075
Jan. 1, 1939	877,347	119,152	996,499	47,180
Jan. 1, 1938 ²	853,161	79,810	932,971	86,080
Jan. 1, 1937	2,077,325	139,525	2,216,850	138,220
Jan. 1, 1936	1,994,868	215,450	2,210,318	30,450
Jan. 1, 1935	1,997,778	311,491	2,209,269	20,000
Jan. 1, 1934	1,712,629	377,735	2,090,364	59,300
Jan. 1, 1933	1,580,051	417,694	1,997,745	33,650
Jan. 1, 1932	1,603,809	394,585	1,998,394	48,587
Jan. 1, 1931	1,594,990	244,661	1,839,651	111,130
Jan. 1, 1930	1,419,200	139,840	1,559,040	149,900
Jan. 1, 1929	1,194,501	147,923	1,342,424	134,450
Jan. 1, 1928	1,013,000	253,000	1,266,000	22,000
June 1, 1926	844,800	47,690	892,490	47,600
June 1, 1925	690,492	26,200	716,692	116,000

² Beginning Jan. 1, 1938, capacity is expressed in terms of cracked-gasoline production.

Authority: Bureau of Mines

Cracking Plants in 29 States

CAPACITY ² OF CRACKING PLANTS AT U. S. REFINERIES, BY STATES, JANUARY 1, 1950

(Barrels Per Day)

State	Operating	Shutdown	Total Operating and Shutdown	Building
Alabama .....	.....	.....	.....	.....
Arkansas	7,500	.....	7,500	1,400
California	188,150	14,200	202,350	2,500
Colorado	5,725	800	6,525	.....
Delaware .....	.....	.....	.....	.....
Georgia .....	.....	.....	.....	.....
Idaho	600	.....	600	.....
Illinois	120,530	10,600	131,130	12,700
Indiana	109,800	.....	109,800	.....
Kansas	64,250	800	65,050	8,500
Kentucky	23,350	.....	23,350	800
Louisiana	118,652	200	118,852	.....
Maryland	14,260	.....	14,260	.....
Massachusetts	5,053	2,947	8,000	.....
Michigan	34,549	.....	34,549	6,600
Minnesota .....	.....	.....	.....	.....
Mississippi	1,700	.....	1,700	.....
Missouri	15,500	.....	15,500	.....
Montana	14,780	.....	14,780	.....
Nebraska	360	.....	360	.....
New Jersey	94,650	8,100	102,750	35,000
New Mexico	3,270	.....	3,270	.....
New York	19,200	.....	19,200	.....
Ohio	107,790	4,340	112,130	6,600
Oklahoma	88,760	15,825	104,585	8,830
Oregon .....	.....	.....	.....	.....
Pennsylvania	153,814	8,000	161,814	.....
Rhode Island	700	.....	700	.....
South Carolina .....	.....	.....	.....	.....
South Dakota .....	.....	.....	.....	.....
Tennessee	700	.....	700	.....
Texas	496,310	20,850	517,160	3,315
Utah	8,998	.....	8,998	.....
Washington	1,000	.....	1,000	.....
West Virginia	3,450	1,200	4,650	.....
Wisconsin .....	.....	.....	.....	.....
Wyoming	28,840	580	29,420	7,800
U. S. total.....	1,732,241	88,442	1,820,683	94,045

² Capacity expressed in terms of cracked-gasoline production.

Authority: Bureau of Mines.

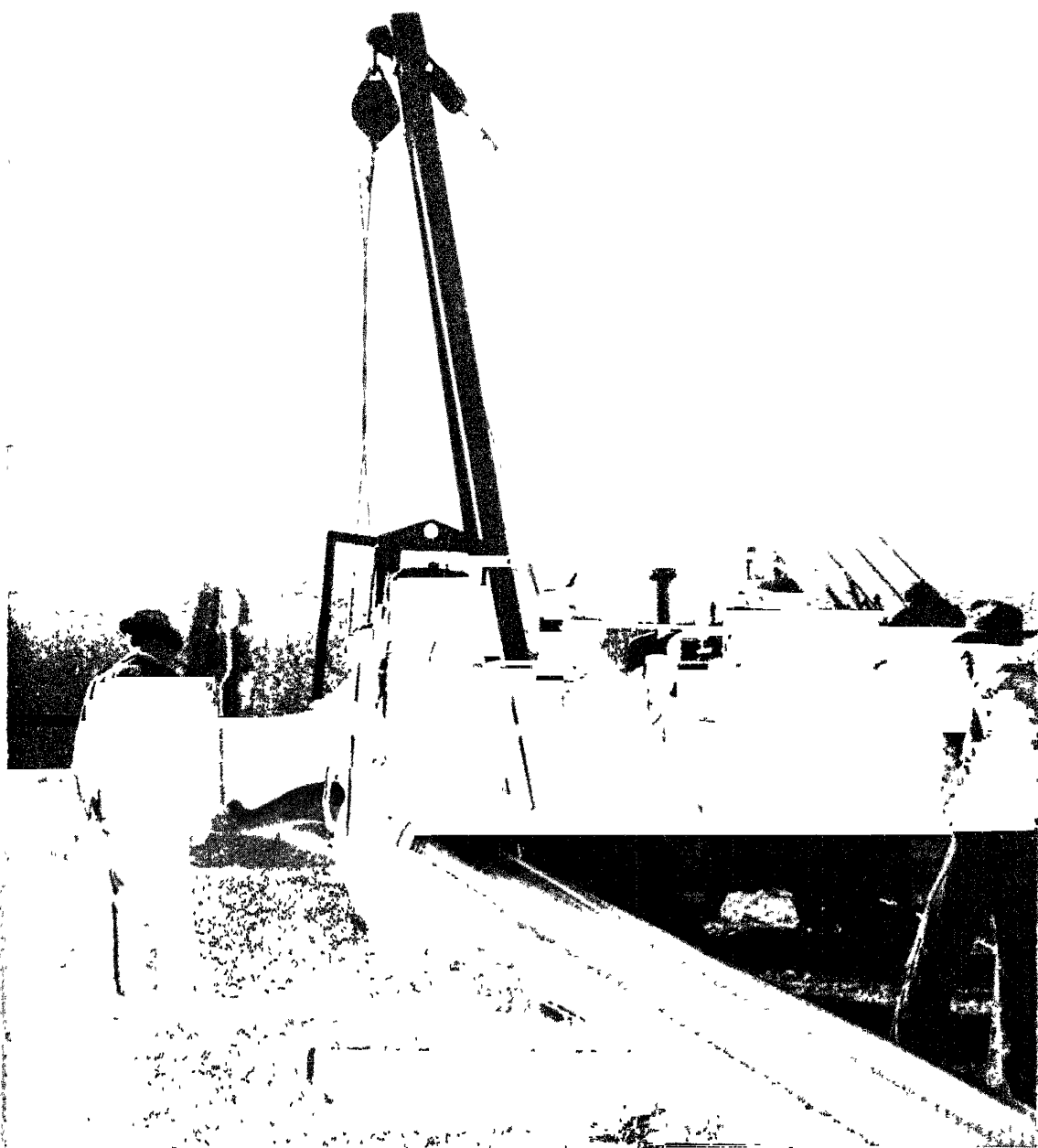
INDEX NUMBERS OF U. S. INDUSTRIAL PRODUCTION, BY YEARS, 1919-1949

1935-1939 = 100

Year	Petro- leum Refin- ing	All Manu- factur- ing	Auto- mobiles	Ce- ment	Plate Glass	Iron and Steel	Leather and Prod- ucts	Tex- tiles	To- bacco Prod- ucts	Ma- chinery	Chem- icals	Non- ferrous Metals
1949.....	(2)	183	207	198	(2)	188	106	147	165	234	240	160
1948.....	(2)	198	198	193	(2)	208	111	170	164	277	254	193
1947.....	(2)	194	191	175	150	195	116	163	160	276	251	187
1946.....	(2)	177	159	154	125	180	122	162	156	240	236	157
1945.....	(2)	214	180	97	50	183	117	146	136	343	284	204
1944.....	258	252	231	85	61	206	113	148	125	439	324	259
1943.....	188	258	222	125	44	208	114	153	133	443	384	267
1942.....	144	212	155	171	37	199	122	157	131	340	278	214
1941.....	132	168	152	154	122	186	123	152	120	221	176	191
1940.....	118	126	118	122	109	147	98	114	109	136	130	139
1939.....	111	109	94	114	92	114	105	112	106	104	112	113
1938.....	103	87	65	99	55	68	93	85	102	82	96	80
1937.....	106	113	125	109	127	123	102	106	103	126	112	122
1936.....	95	104	116	105	119	114	103	104	99	105	99	104
1935.....	86	87	102	72	107	81	99	93	90	83	89	80
1934.....	79	74	71	73	56	61	91	76	87	69	83	62
1933.....	75	68	50	59	51	54	88	88	80	50	76	60
1932.....	72	57	36	72	31	32	76	71	79	43	68	52
1931.....	80	74	62	117	52	61	82	79	87	66	78	83
1930.....	85	90	87	151	63	97	84	74	93	100	87	106
1929.....	90	110	139	160	89	133	95	94	96	130	89	136
1928.....	81	99	113	165	78	121	93	87	92	106	...	118
1927.....	72	94	88	161	70	108	94	92	90	99	...	108
1926.....	68	95	112	154	80	115	90	84	88	102	...	113
1925.....	62	90	111	151	70	108	88	84	85	89	...	104
1924.....	53	81	93	140	54	90	86	72	83	81	...	93
1923.....	46	86	105	129	53	109	99	83	84	86	...	90
1922.....	40	74	68	107	...	85	93	79	77	...	...	...
1921.....	34	56	42	92	...	48	82	69	74	...	...	...
1920.....	34	74	59	93	...	102	86	67	75	...	...	...
1919.....	29	72	51	75	...	84	94	73	72	...	...	...

¹Not available. Petroleum refining series in process of revision.

Authority: Federal Reserve Board.



TRANSPORTATION

TRANSPORTATION

NOTE Footnote (1) is used throughout the book to indicate a preliminary figure

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U. S. CRUDE-OIL DISTRIBUTION, BY STATES, 1949

(Thousands of Barrels)

State	Total Refinery Receipts	Interstate Receipts, by Principal States of Origin										Runs to Stills	Change in Refinery Stocks	Crude Used as Refinery Fuel and Losses
		Intra-state Receipts	Inter-state Receipts	Illinois	Kansas	Louisiana	New Mexico	Oklahoma	Texas	Other				
Arkansas	17,704	15,480	2,224	....	....	2,224	....	....	....	....	17,714	-5	-5
California ¹	323,232	320,921	1,250	....	....	....	....	....	....	....	320,913	239	2,080
Colorado	5,944	1,650	4,294	....	....	....	....	....	230	473	5,955	17	-28
Georgia ²	3,878	....	703	....	....	....	7,143	25,610	46,208	4,684	3,903	-134	9
Illinois ³	118,865	21,427	97,438	....	13,421	372	....	....	....	....	118,711	118	36
Indiana	112,317	421	111,896	4,446	17,628	....	1,659	18,751	60,217	9,195	112,574	-255	-2
Kansas ⁴	62,012	52,131	9,881	....	....	....	20	6,614	2,224	1,023	62,049	-154	117
Kentucky ⁵	24,326	4,838	19,488	2,825	....	7,453	....	....	37,006	9,210	24,145	163	18
Louisiana ⁶	166,748	89,270	77,478	....	....	735	....	....	....	40,472	167,471	-1,029	306
Maryland	14,754	....	6,119	....	....	....	....	....	5,340	44	15,032	-290	12
Massachusetts ⁷	10,900	....	5,092	....	....	590	....	....	4,502	....	11,851	-952	1
Michigan	28,328	15,548	12,780	3,700	....	....	....	475	7,848	757	28,190	-51	189
Missouri	12,756	....	12,756	....	865	....	....	1,575	8,706	1,610	12,808	-51	-1
Montana	13,678	6,809	6,869	....	....	....	983	759	38,348	3,957	13,223	452	3
New Jersey	97,621	....	50,037	....	....	5,990	....	....	....	....	96,822	438	361
New Mexico	4,333	3,421	912	....	....	....	....	....	912	....	4,317	11	5
New York	13,584	....	4,365	....	....	....	....	....	1,409	2,956	14,043	-480	1
Ohio	23,156	4,590	18,566	12,971	....	1,053	....	489	15,803	4,053	23,136	13	7
Oklahoma	80,031	61,378	18,653	....	8,933	....	156	....	9,564	....	80,359	-414	86
Pennsylvania ⁸	139,706	....	77,424	....	....	10,343	....	....	67,081	....	138,806	815	85
Texas	547,775	431,370	99,125	....	....	....	....	1,604	2,707	1,942	16,934	-83	9
Utah	14,869	....	14,247	....	....	61,835	34,691	2,546	....	53	548,633	-1,054	146
West Virginia ⁹	4,503	622	2,438	46	....	....	....	1,554	....	....	14,913	-70	26
Wyoming ¹⁰	25,801	22,520	3,281	....	....	....	....	....	....	....	4,549	-48	2
U. S. total	1,945,462	1,067,780	722,858	39,877	41,172	92,752	44,652	73,069	314,840	116,496	1,945,519	-3,547	3,490	

- ¹ Includes Washington.
² Includes South Carolina, Florida, and Delaware.
³ Includes Minnesota and Wisconsin.
⁴ Includes Nebraska.
⁵ Includes Tennessee.
⁶ Includes Mississippi and Alabama.
⁷ Includes Rhode Island.
⁸ Includes Virginia.
⁹ Includes Idaho.

Authority: Bureau of Mines

U. S. CRUDE-OIL DISTRIBUTION, BY STATES, 1946

(Thousands of Barrels)

State	Total Refinery Receipts	Imports	Intra- state Receipts	Inter- state Receipts	Interstate Receipts, by Principal States of Origin						Runs to Stills	Change In Refinery Stocks	Crude Used as Refinery Fuel and Losses
					Illinois	Kansas	Louisiana	New Mexico	Oklahoma	Texas			
Arkansas	15,031	....	15,031	....	....	....	....	....	....	....	14,947	61	23
California	288,198	....	286,859	1,339	....	....	....	....	....	....	284,938	864	2,396
Colorado	4,602	....	1,309	3,293	....	....	....	....	....	....	4,676	-79	5
Georgia	3,676	2,739	....	937	....	....	....	....	....	....	3,516	161	-1
Illinois	99,441	....	22,884	76,557	....	16,135	659	4,217	21,691	29,348	100,114	-649	-24
Indiana	88,103	....	....	88,103	2,495	23,403	90	....	15,504	44,789	87,901	203	-1
Kansas	61,144	....	43,550	17,594	....	....	....	....	8,798	8,165	61,106	-104	142
Kentucky	18,036	....	4,403	13,633	2,223	....	581	....	....	356	17,934	88	14
Louisiana	130,038	....	74,742	55,296	....	....	1,189	....	....	35,852	128,235	1,519	284
Maryland	18,284	5,031	....	13,253	....	....	....	....	....	11,857	18,204	7	73
Massachusetts	13,868	7,211	....	6,657	1,665	....	399	....	1,827	6,248	13,627	240	1
Michigan	26,229	....	15,949	10,280	....	....	....	....	1,827	6,788	25,473	638	118
Missouri	10,034	....	....	10,034	794	....	....	....	1,158	8,082	9,996	38	....
Montana	11,116	....	5,397	5,719	....	....	....	....	....	....	11,376	-260	....
New Jersey	100,563	32,482	....	68,081	....	....	3,984	1,171	2,072	53,155	96,303	1,620	640
New Mexico	4,031	....	3,327	704	....	....	....	....	....	704	4,034	-6	3
New York	13,842	3,414	....	10,428	....	....	....	....	....	....	14,167	-325	....
Ohio	14,224	....	3,782	10,442	4,394	347	....	....	5,475	....	14,181	37	6
Oklahoma	20,758	....	1,121	19,637	13,129	120	....	....	5,458	....	20,707	51	....
Oregon	47,936	....	37	47,899	17,532	549	2,092	....	13,386	11,805	48,388	-519	67
Pennsylvania	67,244	....	54,878	12,366	....	7,254	....	....	....	5,112	67,283	-118	79
Pennsylvania:	128,608	35,098	10,854	93,510	613	....	4,022	1,673	17	87,798	128,834	-302	76
East	16,636	....	....	5,782	....	....	....	....	1,792	1,928	16,603	25	8
West	....	....	....	....	....	....	....	....	....	....	....	....	....
Texas	503,045	91	439,819	63,135	....	....	36,944	20,937	4,267	....	503,431	-606	220
Utah	6,897	....	....	6,897	....	....	....	....	....	....	6,877	19	1
West Virginia	4,296	....	1,748	2,548	78	....	728	....	665	181	4,265	31	31
Wyoming	21,313	....	20,049	1,264	....	....	....	....	....	....	21,081	234	-2
U. S. total	1,737,193	86,066	1,005,739	645,388	42,129	48,602	50,688	27,998	82,110	320,730	1,730,197	+2,837	4,159

- ¹ Includes Washington.
- ² Includes South Carolina and Florida.
- ³ Includes Minnesota and Wisconsin.
- ⁴ Includes Nebraska.
- ⁵ Includes Tennessee.
- ⁶ Includes Mississippi.
- ⁷ Includes Rhode Island.
- ⁸ Includes Virginia.
- ⁹ Includes Idaho.

Authority: Bureau of Mines

Pipe Lines Deliver 4 of Every 5 Barrels of U. S. Crude to Refineries in 1949

RECEIPTS OF CRUDE OIL AT U. S. REFINERIES, BY STATES, 1949— BY METHOD OF TRANSPORTATION

State	(Thousands of Barrels)					(Thousands of Barrels)					Total Domestic Receipts	Imports, Boats
	Intrastate					Interstate						
	Pipe Lines	Tank Cars, Trucks	Boats	Total		Pipe Lines	Tank Cars, Trucks	Boats	Total			
Arkansas	15,276	204	50,568	15,480		2,189	35	.....	2,224		17,704	.....
California ²	268,494	3,859	.....	320,921		.....	1,250	.....	1,250		322,171	1,061
Colorado	873	777	.....	1,650		3,402	892	.....	4,294		5,944	.....
Georgia ³	.....	.....	.....	.....		93,892	383	320	703		703	2,975
Illinois ⁴	21,082	345	.....	21,427		.....	3,546	.....	97,438		118,865	.....
Indiana	300	121	.....	421		111,770	126	.....	111,896		112,317	.....
Kansas ⁵	50,976	1,155	.....	52,131		9,548	333	.....	9,881		62,012	.....
Kentucky ⁶	1,178	296	3,364	4,838		1,119	1,248	18,121	19,488		24,326	.....
Louisiana ⁷	55,313	2,447	31,510	89,270		60,729	4,362	12,387	77,478		166,748	.....
Maryland	.....	.....	.....	.....		.....	.....	6,119	6,119		6,119	8,635
Massachusetts ⁸	.....	.....	.....	.....		.....	.....	5,092	5,092		5,092	5,808
Michigan	13,908	1,640	.....	15,548		12,737	43	.....	12,780		28,328	.....
Missouri	.....	.....	.....	.....		12,693	63	.....	12,756		12,756	.....
Montana	6,097	712	.....	6,809		6,187	682	.....	6,869		13,678	.....
New Jersey	.....	.....	.....	.....		3,058	28	46,951	50,037		50,037	47,584
New Mexico	3,410	11	.....	3,421		912	.....	.....	912		4,333	.....
New York:	.....	.....	.....	.....		.....	.....	.....	.....		.....	.....
East	.....	.....	.....	.....		.....	.....	.....	.....		.....	.....
West	2,954	.....	.....	2,954		8,917	.....	4,365	4,365		4,365	9,199
Ohio:	.....	.....	.....	.....		.....	.....	.....	8,917		11,871	.....
East	4,580	10	.....	4,590		18,566	.....	.....	18,566		23,156	.....
West	.....	9	.....	9		49,946	68	107	50,121		50,130	.....
Oklahoma	60,624	754	.....	61,378		18,640	13	.....	18,653		80,031	.....
Pennsylvania:	.....	.....	.....	.....		.....	.....	.....	.....		.....	.....
East	10,257	.....	.....	10,356		.....	.....	.....	.....		.....	.....
West	.....	99	.....	.....		6,433	71	77,424	77,424		77,424	62,282
Texas	401,479	4,189	25,702	431,370		56,681	1,362	41,082	6,504		16,860	.....
Utah	527	95	.....	622		14,200	47	.....	99,125		530,495	17,280
West Virginia ⁹	1,996	69	.....	2,065		2,274	164	.....	14,247		14,869	.....
Wyoming ¹⁰	20,874	1,646	.....	22,520		2,607	674	.....	2,438		4,503	.....
U. S. total	938,198	18,438	111,144	1,067,780		495,500	15,390	211,968	722,858		1,790,638	154,824

² Includes W. Va.

² Includes Washington.

³ Includes South Carolina, Florida, and Delaware.

⁴ Includes Minnesota and Wisconsin.

⁵ Includes Nebraska.

⁶ Includes Tennessee.

⁷ Includes Alabama and Mississippi.

⁸ Includes Rhode Island.

⁹ Includes Virginia.

¹⁰ Includes Idaho.

Authority: Bureau of Mines

RECEIPTS OF CRUDE OIL AT U. S. REFINERIES, BY STATES, 1939— BY METHOD OF TRANSPORTATION

State	(Thousands of Barrels)				Imports, Boats
	Intrastate		Interstate		
	Pipe Lines	Tank Cars, Trucks	Boats	Total	
Arkansas	10,124	556	.....	10,680	.....
California ²	148,352	3,521	45,294	197,167	.....
Colorado	1,105	592	.....	1,697	.....
Georgia ³	28,411	8,997	.....	37,408	.....
Illinois	.....	.....	.....	.....	1,367
Indiana	.....	.....	.....	.....	.....
Kansas	33,714	293	.....	34,007	.....
Kentucky ⁴	2,308	850	2,258	5,416	.....
Louisiana	23,505	287	12,008	35,800	.....
Maryland	.....	.....	.....	21,992	.....
Massachusetts ⁵	.....	.....	.....	.....	549
Michigan	10,622	4,558	.....	.....	2,981
Missouri	.....	.....	.....	.....	.....
Montana	4,009	876	.....	.....	.....
New Jersey	.....	.....	.....	.....	.....
New Mexico	1,093	359	.....	.....	.....
New York	3,903	17	.....	.....	.....
Ohio	1,900	154	.....	.....	.....
Oklahoma	53,381	408	.....	.....	.....
Pennsylvania	15,459	78	.....	.....	.....
Texas	300,981	6,703	13,157	320,841	.....
Utah	.....	.....	.....	.....	.....
West Virginia	2,059	.....	.....	.....	.....
Wyoming ⁶	10,692	1,204	.....	.....	.....
U. S. total	651,318	29,453	72,717	753,488	.....
¹ Includes Washington					33,095

Authority Bureau of Mines

Refineries Rely on Pipe Lines for Crude Supplies

RECEIPTS OF CRUDE OIL AT U. S. REFINERIES—BY METHOD OF TRANSPORTATION—BY YEARS, 1934-1949¹

		(Thousands of Barrels)							
Method of Transportation		1949 ¹	1948 ¹	1947	1946	1945	1944	1943	1942
Pipe lines:									
Intrastate		938,198	984,700	912,900	888,900	913,664	909,654	788,855	731,223
Interstate		495,500	490,000	449,700	401,400	454,550	480,810	390,184	330,580
Total pipe lines.....		1,433,698	1,474,700	1,362,600	1,290,300	1,368,194	1,390,464	1,179,039	1,061,803
Boats:									
Intrastate		111,144	120,900	108,500	96,700	94,063	63,170	54,435	45,278
Interstate		211,968	265,100	241,000	226,200	113,291	57,080	35,279	74,384
Total boats		323,112	386,000	349,500	322,900	207,354	120,250	89,714	119,662
Tank cars, trucks:									
Intrastate		18,438	24,000	19,900	20,100	15,188	16,512	15,731	18,016
Interstate		15,390	32,800	26,100	17,800	59,055	96,504	138,219	116,316
Total tank cars and trucks....		33,828	56,800	46,000	37,900	74,243	113,016	153,950	134,332
Total intrastate		1,067,780	1,129,600	1,041,300	1,005,700	1,022,915	989,336	859,021	794,517
Total interstate		722,858	787,900	716,800	645,400	626,876	634,394	563,682	521,280
Total domestic receipts.....		1,790,638	1,917,500	1,758,100	1,651,100	1,649,791	1,623,730	1,422,703	1,315,797
Imports (boats)		154,824	129,100	97,500	86,100	74,095	44,805	13,833	12,297
Total receipts		1,945,462	2,046,600	1,855,600	1,737,200	1,723,886	1,668,535	1,436,536	1,328,094

RECEIPTS OF CRUDE OIL AT U. S. REFINERIES—BY METHOD OF TRANSPORTATION—BY YEARS, 1934-1949¹—Continued

		(Thousands of Barrels)									
		Method of Transportation									
		1941	1940	1939	1938	1937	1936	1935	1934		
Pipe lines:	Intrastate	728,949	670,964	651,318	600,043	569,600	517,300	466,200	433,200		
	Interstate	313,192	268,953	250,505	254,261	276,700	247,200	220,900	206,000		
	Total pipe lines	1,042,141	939,917	901,823	854,304	846,300	764,500	687,100	639,200		
Boats:	Intrastate	69,106	72,079	72,717	74,075	78,500	68,600	55,400	42,400		
	Interstate	199,967	205,583	188,650	182,825	201,800	184,900	164,900	154,500		
	Total boats	269,073	277,662	261,367	256,900	280,300	253,500	220,300	196,900		
Tank cars, trucks:	Intrastate	17,290	26,110	29,453	21,983	28,200	14,600	15,700	18,400		
	Interstate	31,322	12,698	10,851	7,771	8,500	7,600	9,700	7,900		
	Total tank cars and trucks	48,612	38,808	40,304	29,754	36,700	22,200	25,400	26,300		
Total intrastate		815,345	769,153	753,488	696,101	676,300	600,500	537,300	494,000		
	Total interstate	544,481	487,234	450,006	444,857	487,000	439,700	395,500	368,400		
Total domestic receipts		1,359,826	1,256,387	1,203,494	1,140,958	1,163,300	1,040,200	932,800	862,400		
Imports (boats)		50,606	42,662	33,095	26,412	27,500	32,300	32,200	35,600		
Total receipts		1,410,432	1,299,049	1,236,589	1,167,370	1,190,800	1,072,500	965,000	898,000		

¹ Preliminary.

² Only the terminating method of transportation is reported. Often more than one method is used between well and refinery. This particularly is true of boat shipments, which usually originate by pipe line.

Authority. Bureau of Mines

VOLUME OF ALL U. S. INTERCITY TRAFFIC (PUBLIC AND PRIVATE) BY METHOD OF TRANSPORTATION AND BY YEARS, 1939-1949

(Millions of Ton-Miles)

	Railways ²		Highways		Inland Waterways ³		Oil Pipe Lines		Airways ⁴		Total	
	Volume	Per Cent of Total	Volume	Per Cent of Total	Volume	Per Cent of Total	Volume	Per Cent of Total	Volume	Per Cent of Total	Volume	Per Cent
1949 ¹	534,448	61.41	93,653	10.76	122,262	15.20	109,655	12.60	236	0.03	870,254	100
1948.....	647,257	64.39	97,640	8.72	150,530	14.97	119,597	11.90	223	0.02	1,005,257	100
1947.....	664,523	67.35	77,918	7.92	135,864	13.82	105,161	10.69	158	0.02	983,724	100
1946.....	602,069	68.64	64,300	7.33	115,032	13.11	95,727	10.91	93	0.01	877,221	100
1945.....	690,809	68.90	53,442	5.33	131,801	13.14	126,530	12.62	91	0.01	1,002,673	100
1944.....	746,912	70.19	47,395	4.45	136,963	12.87	132,864	12.48	71	0.01	1,064,205	100
1943.....	734,829	72.79	46,394	4.66	130,309	12.91	97,867	8.69	53	0.01	1,009,452	100
1942.....	645,422	71.08	49,626	5.36	138,791	15.26	75,087	8.27	34	(*)	907,960	100
1941.....	481,756	64.72	63,258	8.56	130,916	17.59	68,488	9.19	19	(*)	744,377	100
1940.....	379,201	63.36	50,647	8.36	110,005	18.38	59,277	9.90	14	(*)	596,544	100
1939.....	338,850	64.26	43,931	8.33	88,897	16.86	55,602	10.55	12	(*)	527,292	100

¹ Preliminary.

² Railway revenue ton-miles, steam and electric, including express and mail.

³ Includes Great Lakes.

⁴ Domestic revenue service, including express, mail, and excess baggage.

⁵ Less than 0.005 per cent.

Authority Interstate Commerce Commission

PERCENTAGES OF TON-MILES OF ALL FREIGHT TRAFFIC TRANSPORTED IN THE UNITED STATES, BY METHOD OF TRANSPORTATION AND BY YEARS, 1939-1948

(Per Cent)

Year	Railways	Motor Trucks	Great Lakes	Inland Waterways	Oil Pipe Lines	Total
1948.....	63.7	8.7	11.8	4.0	11.8	100
1947.....	66.7	7.9	11.4	3.5	10.5	100
1946.....	67.9	7.3	11.0	3.2	10.6	100
1945.....	68.0	5.6	11.2	3.0	12.2	100
1944.....	69.1	4.6	11.1	2.9	12.3	100
1943.....	71.9	4.7	11.4	2.6	9.4	100
1942.....	70.1	5.5	13.4	2.8	8.2	100
1941.....	63.3	7.6	15.1	3.6	10.4	100
1940.....	61.7	8.4	15.8	3.6	10.5	100
1939.....	62.1	8.0	14.1	3.7	12.1	100

Authority Interstate Commerce Commission; U S Army Corps of Engineers; Bureau of Public Roads

153,000-Mile Oil-Industry Subway Serves Nation

U. S. PETROLEUM PIPE-LINE MILEAGE, BY YEARS

(As of December 31 ³⁾)

Year	Crude-Oil Trunk Lines		Refined-Oil Trunk Lines		Total Trunk Lines		Crude-Oil Gathering Lines		Total Petroleum Pipe Lines ²	
	ICC Lines ⁴	All Lines ⁵	ICC Lines ⁴	All Lines ⁵	ICC Lines ⁶	All Lines ⁵	ICC Lines ⁶	All Lines ⁵	ICC Lines ⁶	All Lines ⁷
1949..	63,639	71,334*	14,133	20,881*	77,772	92,215	47,212	60,287*	124,984	152,502*
1948..	63,364	71,063	13,692	20,230	77,056	91,293	47,036	60,333	124,092	151,626
1947.....	61,561	69,041	11,828	17,476	73,389	86,517	45,909	58,887	119,298	145,404
1946.....	60,120	67,425	11,562	17,083	71,682	84,508	44,862	57,544	116,544	142,052
1945.....	59,576	67,172	9,781	14,492	69,357	81,664	43,994	55,881	113,351	137,545
1944.....	59,259	66,815	9,080	13,453	68,339	80,268	43,276	54,969	111,615	135,237
1943.....	57,586	65,274	8,726	12,928	66,312	78,202	42,471	53,947	108,783	132,149
1942.....	56,762	64,340	7,405	10,971	64,167	75,311	42,318	53,752	106,485	129,063
1941.....	57,502	65,180*	6,075	9,001*	63,577	74,181	41,858	53,170*	105,435	127,351*
1940.....	54,084	63,628	5,772	8,289	59,856	71,917	40,300	52,338	100,156	124,255
1939.....	53,641	61,500	5,467	5,922	59,108	68,800	39,573	53,700	98,681	122,500
1938.....	51,781	59,400	5,283	5,593	57,064	66,550	38,874	52,500	95,938	119,050
1937.....	51,375	58,900	5,175	5,065	56,550	65,350	40,062	53,800	96,612	119,150
1936.....	50,269	57,820*	4,142	4,600*	54,411	62,420	39,515	52,760*	93,926	115,180*
1935.....	.....	56,400	.....	.....	52,657	61,600	39,380	52,200	92,037	113,800
1934.....	.....	58,400	.....	.....	53,405	63,150	39,665	52,100	93,070	115,250
1933.....	.....	58,500	.....	.....	52,865	62,750	40,859	53,300	93,724	116,050
1932.....	.....	57,500	.....	.....	51,404	61,650	41,378	53,500	92,782	115,150
1931.....	.....	58,020*	.....	1,400*	51,287	59,420	41,803	53,640*	93,090	113,060*
1930.....	.....	55,200	.....	.....	45,922	56,250	42,806	54,400	88,728	110,650
1929.....	.....	52,700	.....	.....	43,564	53,450	42,232	53,200	85,796	106,650
1928.....	.....	48,500	.....	.....	39,422	48,750	42,254	52,700	81,676	101,450
1927.....	.....	51,600	.....	.....	41,610	51,600	34,460	42,600	76,070	94,200
1926.....	.....	44,470*	.....	.....	35,515	44,470	37,331	45,700*	72,846	90,170*
1925.....	.....	43,000	.....	.....	34,801	43,000	35,208	42,900	70,009	85,900
1924.....	.....	41,497*	.....	.....	34,072	41,497	34,113	41,335*	68,185	82,832*
1923.....	.....	.....	.....	.....	31,322	.....	33,438	.....	64,760	.....
1922.....	.....	.....	.....	.....	27,325	.....	30,024	.....	57,349	.....
1921.....	.....	.....	.....	.....	26,292	.....	28,968	.....	55,260	.....
1920.....	.....	.....	.....	.....	25,330	.....	27,663	.....	52,993	.....
1910.....	.....	.....	.....	.....	16,226	.....	23,864	.....	40,090	.....
1900.....	.....	.....	.....	.....	6,821	.....	11,152	.....	17,973	.....
1890.....	.....	.....	.....	.....	2,933	.....	2,457	.....	5,390	.....
1880.....	.....	.....	.....	.....	702	.....	514	.....	1,216	.....
1879.....	.....	.....	.....	.....	322	.....	372	.....	694	.....

² Not including natural-gasoline pipe lines.

³ Except as noted. See footnote 4.

⁴ Breakdown of ICC trunk-line mileage between crude oil and refined oil is given as reported for 1938 on; estimated by API for 1937 and 1936 from ICC data and reports of companies. Not available prior to 1936.

⁵ Believed to cover all petroleum pipe lines, including private carriers not reporting to ICC. Figures starred in these columns were reported by Bureau of Mines as of December 31, 1949, May 1, 1941, June 30, 1936, May 1, 1931, May 1, 1926, and spring of 1924. All other figures estimated as of December 31, by API from ICC data and trade sources.

⁶ Includes only pipe lines reporting to the ICC. Figures for 1921 through 1949 are given as reported by ICC. Figures for years prior to 1921 are from an article by Walter Splawn in *Oil and Gas Journal*, September 27, 1938, and described as "interstate pipe lines"; data for intervening years are given in article.

⁷ Includes private carriers, and believed to cover almost all petroleum pipe lines. See footnotes 4 and 5.

Authority Interstate Commerce Commission; Bureau of Mines; American Petroleum Institute.

TOTAL U. S. CRUDE-OIL AND PRODUCTS PIPE-LINE MILEAGE,² BY STATES AND BY YEARS, 1936-1949

State	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Alabama	284	284	284	284	284	284	284	284	284	284	284	284	284	284
Arkansas	1,162	1,198	1,057	828	829	829	767	654	677	677	792	784	770	770
Colorado	692	702	401	296	316	206	130	130	86	86	86	86	86	86
District of Columbia	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Florida	78	78	78	78	78	277	277	78	78	78	78	78	78	78
Georgia	814	814	814	798	798	798	798	798	798	798	798	798	798	798
Illinois	8,354	8,037	8,030	7,648	7,139	6,974	6,920	6,781	6,551	5,550	5,709	4,660	4,557	4,412
Indiana	3,206	3,165	3,145	3,132	3,237	3,137	2,947	2,965	2,790	1,754	2,275	2,208	2,192	2,188
Iowa	820	822	805	927	830	829	828	926	926	919	926	925	925	682
Kansas	9,510	9,384	9,095	9,066	8,662	8,636	8,564	8,519	8,221	7,890	8,010	6,907	7,109	6,692
Kentucky	111	150	147	135	128	46	40	24	24	241	262	598	605	624
Louisiana	3,946	4,039	3,907	4,083	3,787	3,782	3,671	3,116	2,877	2,721	2,587	2,638	2,666	2,443
Maine	76	76	76	76	76	76	76	76	76	76	76	76	76	76
Maryland	77	77	77	77	77	77	77	77	77	77	77	77	77	77
Michigan	1,056	1,050	1,051	1,050	932	931	922	921	885	919	827	840	779	727
Minnesota	618	618	618	557	247	247	247	247	247	247	247	247	247	124
Mississippi	731	702	639	513	390	261	197	186	20	13	3	3	3	3
Missouri	5,933	5,745	5,521	5,582	5,431	5,327	5,312	5,295	5,186	4,920	4,898	4,897	4,950	4,873
Montana	407	444	435	422	417	412	317	299	268	170	171	171	312	310
Nebraska	604	608	554	551	388	385	385	386	402	386	386	387	388	392
New Hampshire	38	38	38	38	38	38	38	38	35	35	35	35	35	35
New Jersey	326	270	326	324	325	197	325	325	325	326	325	326	325	289
New Mexico	1,874	1,723	1,693	1,645	1,421	1,355	1,352	1,280	1,275	1,235	1,167	939	805	579
New York	517	428	458	517	659	457	457	666	667	664	641	543	603	440
North Carolina	108	108	108	108	175	175	108	108	108	108	108	108	108	108
North Dakota	81	80	80	80	80	80	80	80	80	80	80	80	80	80
Ohio	7,030	6,699	6,829	6,662	6,371	6,474	6,326	6,452	6,409	7,786	7,007	7,359	7,550	7,694
Oklahoma	15,517	15,950	15,643	15,578	15,388	15,318	15,172	15,425	15,826	15,960	15,742	16,156	16,801	17,111
Pennsylvania	9,638	9,986	9,791	9,816	10,108	10,184	10,195	9,804	9,888	8,972	9,039	9,213	9,265	9,124
South Carolina	102	102	102	102	102	102	102	102	102	102	102	102	102	102
South Dakota	87	87	87	87	87	87	87	87	87	87	87	87	87	87
Tennessee	109	109	109	109	109	109	109	109	109	109	109	109	109	109
Texas	43,963	43,268	40,426	38,788	37,566	36,777	35,147	34,045	34,848	32,889	31,936	30,969	30,767	29,446
Utah	108	104	104	104	104	80	80	80	80	78	80	80	80	80
Vermont	59	59	59	59	59	59	59	59	59	59	59	59	59	59
Virginia	4,226	4,306	4,372	4,404	4,465	4,479	4,530	4,594	4,720	4,304	4,349	4,394	4,394	4,431
West Virginia	2,789	2,775	2,276	2,219	2,217	2,024	1,704	1,713	1,746	1,449	1,188	709	588	595
Wyoming	124,984	124,092	119,298	116,544	113,351	111,615	108,783	106,485	105,435	100,156	98,681	95,938	96,612	93,926
U. S. total	124,984	124,092	119,298	116,544	113,351	111,615	108,783	106,485	105,435	100,156	98,681	95,938	96,612	93,926

² Includes carriers only which report to the Interstate Commerce Commission.

Authority: Interstate Commerce Commission.

TOTAL U. S. CRUDE-OIL PIPE-LINE MILEAGE,^a BY STATES AND BY YEARS, 1936-1949

State	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Arkansas	956	958	817	623	624	575	563	600	634	677	820	792	784	770
Colorado	858	835	317	296	316	206	130	130	86	86	86	86	86	86
Illinois	7,422	7,824	7,857	7,178	6,669	6,515	6,490	6,351	6,122	5,121	5,571	4,522	4,419	4,274
Indiana	2,832	2,857	2,837	2,824	2,929	2,913	2,893	2,925	2,750	1,714	2,275	2,208	2,192	2,188
Iowa	103	121	104	104	104	103	103	103	103	96	103	102	102	95
Kansas	8,062	7,921	7,878	7,869	7,854	7,833	7,764	7,737	7,506	7,171	7,295	6,192	6,394	6,167
Kentucky	111	150	147	136	128	46	40	24	24	241	262	598	605	624
Louisiana	3,472	3,524	3,447	3,451	3,430	3,335	3,215	2,831	2,877	2,721	2,587	2,638	2,666	2,443
Maine	76	76	76	76	76	76	76	76	76	76	76	76	76	76
Michigan	927	932	933	931	860	859	850	850	814	848	756	769	708	657
Mississippi	595	536	473	347	224	95	31	20	20	13	3	...	...	...
Missouri	5,192	5,179	4,955	5,016	4,865	4,761	4,746	4,756	4,728	4,463	4,441	4,440	4,493	4,416
Montana	407	444	435	422	417	412	317	299	268	170	171	171	312	310
Nebraska	442	446	392	389	388	385	385	386	402	386	386	387	388	392
New Hampshire	38	38	38	38	38	38	38	38	35	...	...	...	...	...
New Jersey	176	176	176	175	176	141	269	269	175	176	176	176	176	176
New Mexico	1,801	1,729	1,695	1,445	1,421	1,355	1,332	1,280	1,275	1,235	1,167	939	805	579
New York	268	268	269	268	417	410	336	417	438	415	392	292	352	350
Ohio	6,245	6,276	6,276	6,258	6,273	6,275	6,311	6,340	6,297	7,674	6,895	7,247	7,438	7,582
Oklahoma	14,620	14,673	14,562	14,377	14,850	14,795	14,652	15,009	15,410	15,493	15,282	15,696	16,394	16,778
Pennsylvania	7,492	7,579	7,641	7,702	7,897	8,787	8,798	8,783	8,150	7,237	7,269	7,447	7,550	7,598
Texas	41,705	41,997	39,241	37,878	36,776	35,985	34,352	33,410	34,569	32,612	31,660	30,876	30,674	29,356
Utah	108	104	104	104	104	80	80	80	80	78	80	...	...	...
Vermont	59	59	59	59	59	59	59	59	59	...	...	...	...	...
West Virginia	4,219	4,299	4,365	4,397	4,458	4,472	4,523	4,594	4,720	4,304	4,349	4,349	4,394	4,431
Wyoming	2,604	2,590	2,276	2,219	2,217	2,024	1,704	1,713	1,746	1,449	1,188	709	588	595
U. S. total.....	110,851	110,400	107,470	104,982	103,570	102,535	100,057	99,080	99,360	94,384	93,214	90,636	91,434	89,781

^a Includes carriers only which report to the Interstate Commerce Commission.

Authority: Interstate Commerce Commission.

U. S. CRUDE-OIL GATHERING PIPE-LINE MILEAGE,² BY STATES AND BY YEARS, 1936-1949

State	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Arkansas	375	395	382	380	379	347	335	330	307	328	310	298	297	278
Colorado	103	105	73	53	73	45	44	44	..	..	..	..	278	278
Illinois	2,807	2,721	2,699	2,582	2,114	2,048	2,035	1,892	1,737	1,051	..	1,115	1,045	1,024
Indiana	307	305	287	278	282	273	268	268	284	199	201	202	206	201
Kansas	4,665	4,545	4,460	4,283	4,264	4,216	4,152	4,137	3,886	3,669	3,999	2,891	3,093	3,002
Kentucky	58	97	92	81	73	22	16	..	..	217	238	572	579	598
Louisiana	1,139	1,126	1,077	1,089	1,106	1,051	989	1,029	978	877	724	779	769	711
Michigan	174	175	174	177	170	171	164	162	162	150	152	158	218	170
Mississippi	344	315	257	183	125	80	31	20	20	13	3	..	..	..
Montana	268	282	273	262	257	252	241	246	215	144	145	145	229	228
Nebraska	..	..	..	..	..	..	..	..	16	..	..	..	..	..
New Mexico	1,305	1,300	1,292	1,103	1,075	1,011	983	938	731	..	..	..	..	..
New York	75	79	80	80	229	226	148	148	249	675	592	467	358	287
Ohio	3,281	3,302	3,310	3,292	3,330	3,338	3,374	3,355	3,493	237	236	162	222	220
Oklahoma	7,080	7,342	7,410	7,458	7,261	7,140	7,218	7,536	7,732	4,590	4,741	4,905	5,079	5,241
Pennsylvania	4,324	4,402	4,432	4,478	4,592	4,627	4,798	4,773	4,822	7,901	7,755	8,055	8,786	9,005
Texas	16,086	16,086	15,097	14,295	13,804	13,589	12,820	12,403	12,206	4,191	4,235	4,368	4,356	4,382
West Virginia	3,639	3,727	3,816	4,123	4,183	4,197	4,284	4,284	4,397	11,474	10,371	10,229	10,268	9,571
Wyoming	553	732	698	665	677	643	633	607	623	4,052	4,095	4,095	4,137	4,172
U. S. total	47,212 ²	47,036 ⁴	45,909 ⁵	44,862 ⁶	43,994 ⁷	43,276 ⁸	42,471 ⁹	42,318 ⁹	41,858 ⁷	40,300 ⁷	39,573 ⁷	38,873	40,062	39,515

² Includes carriers only which report to the Interstate Commerce Commission.
³ Includes 18 miles used in gathering refined oils.
⁴ Includes 27 miles used in gathering refined oils.
⁵ Includes 29 miles used in gathering refined oils.
⁶ Includes 25 miles used in gathering refined oils.
⁷ Includes 20 miles used in gathering refined oils.

Authority: Interstate Commerce Commission

U. S. CRUDE-OIL TRUNK PIPE-LINE MILEAGE,^a BY STATES AND BY YEARS, 1936-1949

State	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Arkansas	581	563	435	243	245	228	228	270	327	349	510	494	487	492
Colorado	422	430	244	243	243	161	86	86	86	86	86	86	86	86
Illinois	4,835	4,843	4,858	4,596	4,555	4,467	4,455	4,459	4,385	4,070	4,582	3,407	3,374	3,250
Indiana	2,525	2,552	2,550	2,546	2,547	2,540	2,525	2,632	2,466	1,515	2,074	2,006	1,986	1,987
Iowa	103	121	104	104	104	103	103	103	103	96	103	102	102	95
Kansas	3,397	3,376	3,418	3,586	3,590	3,617	3,612	3,600	3,620	3,506	3,296	3,301	3,301	3,165
Kentucky	53	53	55	55	55	24	24	24	24	24	24	26	23	26
Louisiana	2,333	2,398	2,370	2,362	2,324	2,284	2,226	1,802	1,899	1,844	1,863	1,859	1,897	1,732
Maine	76	76	76	76	76	76	76	76	72	698	604	611	490	487
Michigan	753	757	759	754	690	688	686	688	652	698	604	611	490	487
Mississippi	221	221	216	164	99	15	15	15	15	15	15	15	15	15
Missouri	5,162	5,179	4,955	5,016	4,865	4,761	4,746	4,756	4,728	4,463	4,441	4,440	4,493	4,416
Montana	139	162	162	160	160	160	76	53	53	26	26	26	83	82
Nebraska	442	446	392	389	388	385	385	386	386	386	386	387	388	392
New Hampshire	38	38	38	38	38	38	38	38	35	386	386	387	388	392
New Jersey	176	176	176	175	176	141	269	269	175	176	176	176	176	176
New Mexico	496	429	403	342	346	344	344	342	544	560	575	472	447	292
New York	189	189	189	188	188	184	188	188	189	178	156	130	130	130
Ohio	3,158	2,943	2,966	2,966	2,943	2,937	2,937	2,945	2,804	3,084	2,154	2,342	2,359	2,341
Oklahoma	7,540	7,631	7,552	7,519	7,589	7,855	7,434	7,479	7,678	7,592	7,527	7,641	7,608	7,773
Pennsylvania	3,168	3,177	3,209	3,224	3,305	4,160	4,000	4,010	3,328	3,046	3,034	3,079	3,197	3,219
Texas	25,034	25,011	24,144	23,383	22,972	22,396	21,532	21,001	22,363	21,138	20,989	20,647	20,408	19,785
Utah	108	104	104	104	104	80	80	80	80	78	80	80	80	80
Vermont	59	59	59	59	59	59	59	59	59	59	59	59	59	59
West Virginia	580	572	549	274	275	275	306	310	323	252	254	254	257	259
Wyoming	2,051	1,858	1,578	1,554	1,540	1,381	1,071	1,106	1,123	917	701	277	166	170
U. S. total.....	63,639	63,364	61,561	60,120	59,576	59,259	57,586	56,762	57,502	54,084	53,641	51,763	51,375	50,269

^a Includes carriers only which report to the Interstate Commerce Commission.

Authority: Interstate Commerce Commission

U. S. PRODUCTS PIPE-LINE MILEAGE,* BY STATES AND BY YEARS, 1936-1949

State	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936
Alabama	284	284	284	284	284	284	284	284	...	...	...	...	...	...
Arkansas	206	240	240	205	284	204	204	54	...	...	...	...	...	...
Colorado	167	167	84	...	...	...	...	...	...	...	...	...	...	...
District of Columbia ..	78	1	1	78	78	1	277	78	78	...	...	...	...	...
Florida	78	78	78	78	78	78	78	78	...	...	...	...	...	...
Georgia	814	814	814	798	798	798	798	798	270	429	138	138	138	...
Illinois	712	473	473	470	470	459	430	430	429	40	...	...	...	...
Indiana	374	308	308	308	308	308	308	40	40	823	823	823	823	567
Iowa	717	701	701	823	726	726	725	823	823	715	715	715	715	525
Kansas	1,448	1,463	1,217	1,197	808	803	800	782	715	...	...	...	...	...
Louisiana	474	515	460	632	457	457	456	285	...	...	...	...	...	...
Maryland	77	77	77	76	76	76	76	...	...	...	...	...	...	...
Michigan	129	116	116	119	72	72	72	71	71	71	71	71	71	70
Minnesota	618	618	618	567	247	247	247	247	247	247	247	247	247	...
Mississippi	166	166	166	166	166	166	166	166	...	...	...	...	...	...
Missouri	771	566	566	566	566	566	566	539	458	457	457	457	457	457
Nebraska	162	162	162	162	149	149	149	56	150	150	150	150	149	93
New Jersey	150	194	150	182	249	249	161	249	249	249	251	251	251	90
New York	249	161	249	249	175	175	108	108	...	...	...	...	...	...
North Carolina	108	108	108	108	175	175	108	108	...	...	...	...	...	...
North Dakota	81	80	80	80	...	...	...	112	112	112	112	112	112	112
Ohio	591	454	553	404	98	199	15	112	112	112	112	112	112	112
Oklahoma	897	977	681	601	518	523	520	416	416	467	460	460	407	333
Pennsylvania	2,146	2,407	2,150	2,114	2,211	1,397	1,697	1,021	1,738	1,735	1,770	1,766	1,715	1,526
South Carolina	102	102	102	102	102	102	102	102	...	...	...	...	...	...
South Dakota	87	87	87	87	...	...	...	109	...	...	...	...	...	...
Tennessee	109	109	109	109	109	109	109	109	...	...	...	...	...	...
Texas	2,223	2,171	1,185	1,110	790	792	795	635	279	277	276	93	93	90
Virginia .....	...	...	...	...	111	111	...	...	...	...	...	...	...	...
West Virginia .....	...	...	...	...	7	7	...	...	...	...	...	...	...	...
Wyoming	185	185	...	...	...	...	...	...	...	...	...	...	...	...
U. S. total.....	14,133	13,692	11,828	11,562	9,781	9,080	8,726	7,405	6,075	5,772	5,467	5,283	5,178	4,145

* Includes carriers only which report to the Interstate Commerce Commission

Authority Interstate Commerce Commission

Petroleum Pipe-Line Transportation Doubles in A Decade ICC PIPE-LINE RECEIPTS OF CRUDE OIL AND REFINED PRODUCTS, BY YEARS, 1931-1949² (Barrels of 42 U. S. Gallons)

Year	Crude Oil				Refined Oil				All Oils			
	Originated on Lines	Index 1939 = 100	Received from Carriers	Index 1935- 1939 = 100	Originated on Lines	Index 1939 = 100	Received from Carriers	Index 1935- 1939 = 100	Originated on Lines	Index 1939 = 100	Received from Carriers	Index 1935- 1939 = 100
1949.....	1,414,886,575	179	749,617,579	248	240,850,328	410	57,174,436	328	1,655,736,903	195	805,792,015	252
1948.....	1,286,331,016	200	851,446,666	282	227,480,846	388	54,283,464	312	1,613,811,862	213	905,730,130	284
1947.....	1,431,191,245	181	804,894,032	267	186,812,885	318	56,962,357	338	1,616,004,130	190	863,856,389	271
1946.....	1,318,166,572	167	735,137,031	244	154,118,079	263	64,204,253	369	1,472,884,651	173	799,341,284	250
1945.....	1,291,922,201	163	859,316,798	285	149,967,062	256	78,035,465	448	1,441,889,263	170	937,354,263	294
1944.....	1,277,197,360	161	880,451,009	292	146,967,426	250	93,471,000	536	1,424,164,786	167	973,922,009	305
1943.....	1,122,597,403	142	761,200,502	252	143,517,434	245	53,012,683	304	1,266,114,837	149	814,213,185	255
1942.....	981,478,498	124	683,610,408	227	92,321,864	157	22,446,951	129	1,073,800,382	126	706,059,359	221
1941.....	971,112,096	123	560,750,344	186	82,373,196	140	24,467,788	140	1,053,485,292	124	585,218,132	183
1940.....	886,352,568	112	439,807,505	146	71,950,122	123	23,266,939	134	958,302,690	113	463,074,444	145
1939.....	802,827,911	101	330,139,158	109	70,152,309	120	24,908,159	143	872,980,220	103	355,047,317	111
1938.....	763,283,901	100	290,497,859	96	65,116,820	111	23,451,358	135	858,400,721	101	313,949,217	98
1937.....	885,370,113	112	322,541,196	107	62,978,252	107	17,530,412	101	946,348,365	111	340,071,608	107
1936.....	755,052,741	95	284,175,600	94	51,547,384	88	10,941,180	63	806,600,125	95	295,116,780	92
1935.....	722,995,200	91	281,175,600	93	43,593,203	74	10,282,045	59	766,588,403	90	291,457,645	91
1934.....	557,314,540	70	.....	.....	35,280,864	60	.....	.....	592,595,404	70	.....	.....
1933.....	537,631,335	68	.....	.....	29,009,859	49	.....	.....	566,641,194	67	.....	.....
1932.....	508,087,978	64	.....	.....	24,907,805	42	.....	.....	532,995,783	63	.....	.....
1931.....	489,135,318	62	.....	.....	15,658,462	27	.....	.....	504,793,780	59	.....	.....

² Includes only data from companies reporting to the Interstate Commerce Commission.

Authority: Interstate Commerce Commission; Indices computed by American Petroleum Institute

ICC Pipe-Line Transportation of Petroleum Tops Half Billion Barrel-Miles Annually

BARREL- AND TON-MILES OF PIPE-LINE TRANSPORTATION OF COMPANIES REPORTING TO INTERSTATE COMMERCE COMMISSION, BY YEARS, 1936-1949

(Trunk Lines Only)

Year	Thousands of Barrel-Miles			Thousands of Ton-Miles		
	Crude Oil	Refined Oil	All Oils	Crude Oil ²	Refined Oil ²	All Oils
1949	497,178,743	92,562,756	589,751,499	74,206,000	12,021,000	86,227,000
1948	513,497,782	85,087,129	598,584,911	76,641,000	11,050,000	87,691,000
1947	465,503,961	71,554,783	537,058,744	69,478,000	9,293,000	78,771,000
1946	428,843,173	58,752,072	487,595,245	64,006,000	7,630,000	71,636,000
1945	429,942,740	65,360,294	495,303,034	64,171,000	8,488,000	72,659,000
1944	437,679,901	70,916,543	508,596,444	65,325,000	9,210,000	74,535,000
1943	393,029,547	60,896,435	453,925,982	58,661,000	7,909,000	66,570,000
1942	346,051,162	38,422,658	384,473,820	51,649,000	4,990,000	56,639,000
1941	324,036,547	26,748,661	350,785,208	48,364,000	3,474,000	51,838,000
1940	282,192,377	23,740,946	305,933,323	42,118,000	3,083,000	45,201,000
1939	265,180,515	24,429,632	289,610,147	39,579,000	3,173,000	42,752,000
1938	263,100,814	23,687,157	286,787,971	39,269,000	3,076,000	42,345,000
1937	280,669,535	22,346,832	303,016,367	41,891,000	2,902,000	44,793,000
1936 ³	252,201,944	18,441,905	270,643,849	37,642,000	2,395,000	40,037,000

² Ton-miles estimated from barrel-miles. Weights used were: crude oil, 6.7 bbl per ton; refined oil (mostly motor fuel), 7.7 bbl per ton.

³ ICC figures do not include data for one company in 1936.

Authority. Interstate Commerce Commission; American Petroleum Institute.

Oil Pipe Lines Located in 40 States U. S. PIPE-LINE MILEAGE, BY STATES AND BY SELECTED YEARS

State	Trunk Lines (Including Products Lines)					Gathering Lines					Total Pipe-Line Mileage				
	1949	1941	1936	1931	1926	1949	1941	1936	1931	1926	1949	1941	1936	1931	1926
Alabama	284	...	...	...	...	718	...	...	...	...	284	...	...	...	...
Arkansas	1,063	580	650	820	830	1,976	600	650	840	940	1,781	1,180	1,300	1,660	1,770
California	4,272	3,590	2,680	3,780	3,210	2,220	2,220	1,770	1,820	1,800	6,248	5,810	4,450	5,600	5,010
Colorado	584	115	20	20	8	133	90	100	90	60	717	205	120	110	66
Connecticut	22	22	...	...	...	...	...	...	...	...	22	22	...	...	...
Florida	78	78	...	...	...	...	...	...	...	...	78	...	...	...	...
Georgia	815	380	...	...	...	...	...	...	...	...	815	380	...	...	...
Illinois	6,248	5,087	3,110	3,020	1,800	3,201	1,850	940	1,140	1,170	9,449	6,937	4,050	4,160	2,970
Indiana	3,268	2,712	1,980	1,980	1,940	369	280	280	410	450	3,657	2,992	2,260	2,390	1,990
Iowa	1,327	1,014	100	98	77	...	...	...	...	...	1,327	1,014	100	98	77
Kansas	6,110	6,085	3,770	3,440	2,430	6,265	4,040	3,910	3,500	3,220	12,375	10,125	7,680	6,940	5,650
Kentucky	217	500	430	540	570	786	1,310	1,340	1,700	1,660	1,003	1,810	1,770	2,240	2,230
Louisiana	3,003	2,015	2,200	1,890	1,890	1,827	1,320	1,100	900	720	4,630	3,335	3,300	2,790	2,610
Maine	200	...	...	...	...	...	...	...	...	...	200	...	...	...	...
Maryland and District of Columbia	77	...	...	33	33	...	...	...	...	...	77	...	...	33	33
Massachusetts	177	153	...	...	...	715	430	250	160	...	177	153	...	...	...
Michigan	1,057	940	490	325	138	...	...	...	...	...	1,772	1,370	740	485	138
Minnesota	974	248	...	...	...	...	...	...	...	...	974	248	...	...	...
Mississippi	438	...	...	...	...	393	20	...	...	...	831	20	...	...	...
Missouri	6,063	5,183	4,180	4,170	2,490	...	...	...	...	...	6,063	5,183	4,180	4,170	2,490
Montana	319	140	100	60	130	523	350	350	215	20	842	400	450	275	180
Nebraska	1,050	583	390	404	404	24	10	...	...	...	1,074	593	390	404	404
New Hampshire	38	...	...	...	...	...	...	...	...	...	38	...	...	...	...
New Jersey	328	259	180	190	480	...	...	...	...	...	328	259	180	190	480
New Mexico	594	450	300	150	70	1,618	900	450	350	20	2,212	1,350	750	500	90
New York	727	817	200	210	1,200	207	600	550	610	710	934	1,417	750	820	1,910
North Carolina	111	...	...	...	...	...	...	...	...	...	111	...	...	...	...
North Dakota	81	...	...	...	...	...	...	...	...	...	81	...	...	...	...
Ohio	4,987	3,109	2,360	2,580	2,690	3,299	4,940	5,620	5,780	6,320	7,606	8,049	7,980	8,360	9,010
Oklahoma	9,584	9,646	10,170	10,990	8,220	9,245	10,280	11,510	13,510	10,960	18,829	19,926	21,880	24,500	19,180
Pennsylvania	6,062	5,119	3,470	3,510	5,260	4,796	5,690	5,810	6,540	6,340	10,878	10,809	9,280	10,050	11,600
Rhode Island	13	17	...	...	...	...	...	...	...	...	13	17	...	...	...
South Carolina	102	...	...	...	...	...	...	...	...	...	102	...	...	...	...
South Dakota	182	24	...	...	...	...	...	...	...	...	182	24	...	...	...
Tennessee	109	...	...	...	...	...	...	10	15	30	109	...	10	15	30
Texas	29,034	23,465	20,290	18,880	9,470	20,149	13,420	12,600	10,460	6,060	49,183	36,885	32,890	29,340	15,530
Utah	287	80	...	...	...	...	...	...	...	...	287	80	...	...	...
Vermont	59	...	...	...	...	...	...	...	...	...	59	...	...	...	...
West Virginia	587	330	260	320	400	3,660	4,480	4,820	4,910	5,000	4,247	4,810	5,080	5,230	5,400
Wyoming	2,344	1,440	490	610	1,130	563	340	700	690	220	2,907	1,780	1,190	1,300	1,350
U. S. total	92,215	74,181	57,820 ²	58,020 ³	44,470	60,287	53,170	52,760	53,640	45,700	152,502	127,351	110,580 ³	111,660 ³	90,170

² Excludes 4,600 miles of gasoline pipe lines because breakdown by states not available.
³ Excludes 1,400 miles of gasoline pipe lines because breakdown by states not available.

Authority: Bureau of Mines

More Than 150,000 Miles of Petroleum Pipe Lines

MILEAGE AND PIPE SIZE OF U. S. CRUDE-OIL AND REFINED-PRODUCTS PIPE LINES, BY SELECTED YEARS

Size ²	Trunk Lines					Gathering Lines	
	Crude-Oil			Products		January 1, 1950	June 30, 1936
	January 1, 1950	May 1, 1941	June 30, 1936	January 1, 1950	May 1, 1941		
2-in. ....	...	...	...	...	...	17,249	19,620
3-in. ....	...	...	...	...	...	9,655	9,220
Under 4-in.	1,233	1,050	1,270	391	162	....	....
4-in.	2,768	3,590	3,990	1,366	692	....	....
6-in.	12,254 ³	12,570	10,460	6,696	3,781	20,940	13,550
Over 6-in. ....	...	...	...	...	...	9,224	7,680
8-in.	27,780	29,380	27,060	9,979	4,230	3,492	2,690
10-in.	13,500	11,710	9,450	1,628	68	...	....
12-in.	9,027	6,710	5,510	817	68	...	....
Over 12-in.	4,811	170	80	4	...	...	....
U. S. total	71,373	65,180	57,820	20,881	9,001	60,560	52,760

² Inside diameter. Odd sizes are included in next smaller size.

³ Includes a small mileage of 5-in. pipe line.

Authority Bureau of Mines

Sharp Rise in Large-Diameter Crude Pipe-Line Mileage

MILEAGE AND PIPE SIZE ² OF U. S. CRUDE-OIL TRUNK PIPE LINES, AS OF JANUARY 1, 1950

State	Under 4-in.	4-In.	6-In. ³	8-In. ⁴	10-In.	12-In.	Over 12-In.	Total (All Sizes)
Arkansas	32	76	201	194	8	..	296	809
California	4	62	449	1,742	573	244	185	3,259
Colorado	14	1	56	7	338	1	..	417
Illinois	15	195	328	1,664	1,054	1,047	581	4,884
Indiana	10	33	343	1,139	686	322	24	2,557
Iowa .....	...	...	...	20	2	65	17	104
Kansas	125	206	786	1,365	612	681	243	4,018
Kentucky	80	97	34	...	...	...	...	211
Louisiana	13	196	561	986	226	461	16	2,459
Maine .....	...	...	...	...	...	73	3	76
Michigan	5	126	395	400	1	1	....	928
Mississippi	3	22	36	96	102	13	...	272
Missouri	3	2	12	1,399	1,714	1,343	691	5,164
Montana	43	42	152	16	...	66	...	319
Nebraska	1	4	1	1	51	248	137	443
New Hampshire .....	...	...	...	...	...	38	....	38
New Jersey .....	...	...	126	50	...	1	...	177
New Mexico .....	...	93	73	260	51	10	107	594
New York	27	40	81	81	1	...	...	230
Ohio	23	21	678	1,836	256	280	83	3,177
Oklahoma	207	536	1,401	3,448	1,187	694	974	8,447
Pennsylvania	440	207	2,072	569	5	4	....	3,297
Texas	117	659	3,601	11,345	6,320	2,968	1,399	26,409
Utah .....	...	...	26	79	182	...	....	287
Vermont .....	...	...	...	...	...	59	....	59
West Virginia	70	...	481	25	3	1	....	580
Wyoming	1	148	361	1,058	128	407	55	2,158
U. S. total, January 1, 1950.....	1,233	2,768	12,254	27,780	13,500	9,027	4,811	71,373
U. S. total, May 1941.....	1,050	3,590	12,570	29,380	11,710	6,710	170	65,180

² Odd sizes are included in next smaller size.

³ Includes a small mileage of 5-in. pipe line.

⁴ Includes a small mileage of 7-in. pipe line.

Authority: Bureau of Mines

Gathering-Line Mileage 15 Per Cent Above 1936 MILEAGE AND PIPE SIZE OF U. S. CRUDE-OIL GATHERING PIPE LINES, 1936 AND 1949

State	January 1, 1950						June 30, 1936						Per Cent Change 1949 Over 1936
	2-In.	3-In.	4-In.	6-In.	Over 6-In.	Total (All Sizes)	2-In.	3-In.	4-In.	6-In.	Over 6-In.	Total (All Sizes)	
Arkansas	169	50	355	111	43	718	116	25	372	96	41	650	+ 10.5
California	29	158	511	878	400	1,976	60	75	557	704	374	1,770	+ 11.6
Colorado	2	...	63	50	18	133	26	21	47	3	3	100	+ 33.0
Illinois	545	805	1,426	255	170	3,201	389	303	92	156	...	940	+ 240.5
Indiana	110	191	69	71	2	389	91	75	10	102	2	280	+ 38.9
Kansas	945	1,409	2,510	721	680	6,265	1,303	895	839	405	468	3,910	+ 60.2
Kentucky	550	170	26	39	1	786	929	235	126	50	...	1,340	- 41.3
Louisiana	262	88	695	394	188	1,627	173	24	578	297	28	1,100	+ 47.9
Michigan	38	232	289	141	15	715	51	114	56	29	...	250	+ 186.0
Mississippi	67	23	210	52	41	393	...	...	...	...	...	...	...
Montana	116	227	126	40	14	523	52	96	139	63	...	350	+ 49.4
Nebraska .....	...	3	21	...	...	24	...	...	...	...	...	...	...
New Mexico	104	135	1,056	246	77	1,618	55	38	264	62	31	450	+ 259.6
New York	338	112	26	4	...	480	391	109	36	14	...	550	- 12.7
Ohio	1,821	735	554	188	1	3,299	3,157	1,281	850	310	22	5,620	- 41.3
Oklahoma	2,447	1,574	2,863	1,802	559	9,245	3,332	2,475	3,100	1,816	787	11,510	- 19.7
Pennsylvania	3,489	935	283	88	1	4,796	4,098	1,353	251	106	2	5,810	- 17.5
Texas	3,912	2,097	9,327	3,650	1,163	20,149	2,548	1,312	5,547	2,484	709	12,600	+ 59.9
West Virginia	2,309	629	347	364	11	3,660	2,823	775	435	773	14	4,820	- 24.1
Wyoming	6	82	183	184	108	563	16	14	251	210	209	700	- 19.6
U. S. total.....	17,249	9,655	20,940	9,224	3,492	60,560	19,620 ²	9,220	13,550	7,680	2,690	52,760 ²	+ 14.8
Per cent of total mileage....	28.5	15.9	34.6	15.2	5.8	100.0	37.2	17.5	25.7	14.5	5.1	100.0	

² Includes 10 miles of pipe line in Tennessee.

Authority Bureau of Mines

Pipe Lines Transport Petroleum Products in 35 States

MILEAGE AND PIPE SIZE² OF U. S. REFINED-PRODUCTS TRUNK PIPE LINES, AS OF JANUARY 1, 1950

State	Under 4-In.	4-In.	6-In. ³	8-In.	10-In.	12-In.	Over 12-In.	Total (All Sizes)
Alabama	..	72	..	12	....	200	....	284
Arkansas	12	37	..	55	150	....	....	254
California	150	229	384	206	23	21	....	1,013
Colorado	..	....	84	83	....	....	....	167
Connecticut	..	....	22	..	....	....	....	22
Florida	....	..	....	78	....	....	....	78
Georgia	....	167	146	343	147	12	....	815
Illinois	1	1	289	888	173	12	....	1,364
Indiana	1	1	30	665	4	9	1	711
Iowa	6	2	823	271	121	....	....	1,223
Kansas	....	151	675	1,265	....	1	....	2,092
Kentucky	....	....	6	....	....	..	....	6
Louisiana	....	21	81	189	174	79	....	544
Maine	....	....	124	....	....	....	....	124
Maryland and District of Columbia	....	....	77	....	....	....	....	77
Massachusetts	....	....	177	....	....	....	....	177
Michigan	....	....	129	..	....	....	....	129
Minnesota	....	....	443	405	126	....	....	974
Mississippi	....	....	....	....	....	166	....	166
Missouri	....	....	13	886	....	....	....	899
Nebraska	....	....	153	454	....	....	....	607
New Jersey	....	....	....	150	....	1	....	151
New York	1	17	262	256	....	....	....	536
North Carolina	....	....	....	3	108	....	..	111
North Dakota	....	....	81	....	....	....	....	81
Ohio	8	46	749	326	....	1	....	1,130
Oklahoma	....	183	286	667	....	1	....	1,137
Pennsylvania	73	88	1,097	1,347	64	116	....	2,785
Rhode Island	....	....	....	13	....	....	....	13
South Carolina	....	....	....	....	102	....	....	102
South Dakota	....	....	130	52	....	....	....	182
Tennessee	....	....	5	104	....	....	....	109
Texas	139	351	415	1,083	436	198	3	2,625
West Virginia	....	....	7	....	....	....	....	7
Wyoming	....	....	8	178	....	....	....	186
U. S. total, January 1, 1950.....	391	1,366	6,696	9,979	1,628	817	4	20,881
U. S. total, May 1941.....	162	692	3,781	4,230	68	68	....	9,001

¹Odd sizes are included in the next smaller size.

²Includes a small mileage of 5-in. pipe line.

Authority: Bureau of Mines.

MILEAGE AND PIPE SIZE ² OF U. S. CRUDE-OIL AND NATURAL-GASOLINE GATHERING PIPE LINES, AS OF JANUARY 1, 1950

State	2-In.	3-In.	4-In.	6-In. ³	8-In. ⁴	10-In.	Over 10-In.	Total (All Sizes)
Arkansas	159	50	355	111	41	2	...	718
California	29	158	511	878	337	56	7	1,976
Colorado	2	...	63	50	8	2	8	133
Illinois	545	805	1,426	255	125	43	2	3,201
Indiana	110	191	69	17	1	1	...	389
Kansas	945	1,409	2,510	721	571	92	17	6,265
Kentucky	550	170	26	39	1	...	...	786
Louisiana	262	88	695	394	181	2	5	1,627
Michigan	38	232	289	141	15	...	...	715
Mississippi	67	23	210	52	24	3	14	393
Montana	116	227	126	40	12	1	1	523
Nebraska . . . . .	...	3	21	...	...	...	...	24
New Mexico	104	135	1,056	246	64	13	...	1,618
New York	338	112	26	4	...	...	...	480
Ohio	1,821	735	554	188	1	...	...	3,299
Oklahoma	2,447	1,574	2,863	1,802	523	32	4	9,245
Pennsylvania	3,489	935	283	88	1	...	...	4,796
Texas	3,912	2,097	9,327	3,650	1,017	120	26	20,149
West Virginia	2,309	629	347	364	10	1	...	3,660
Wyoming	6	82	183	184	98	8	2	563
U. S. total, January 1, 1950	17,249	9,655	20,940	9,224	3,030	376	86	60,560
U. S. total, May 1941 . . . . .	...	...	...	...	...	...	...	53,170

² Odd sizes are included in next smaller size.

³ Includes a small mileage of 5-in. pipe line.

⁴ Includes a small mileage of 7-in. pipe line.

Authority: Bureau of Mines

U. S. Pipe-Line Capacity Almost 50 Million Barrels

CAPACITY² OF GATHERING AND TRUNK OIL PIPE LINES, BY STATES

(Thousands of Barrels)

State	Gathering Lines		Crude-Oil Trunk Lines			Refined- Products Lines
	1950 January 1	1936 June 30	1950 January 1	1941 May 1	1936 June 30	1950 January
Alabama . . . . .	...	...	...	...	...	158
Arkansas	70	66	720	184	202	98
California	356	311	1,442	1,280	1,018	188
Colorado	24	7	187	18	3	43
Connecticut . . . . .	...	...	...	...	...	4
Florida . . . . .	...	...	...	...	...	26
Georgia . . . . .	...	...	...	...	...	238
Illinois	277	58	3,129	1,910	1,353	443
Indiana	21	26	1,079	1,025	738	234
Iowa . . . . .	...	...	90	55	55	303
Kansas	671	375	1,931	1,662	1,229	553
Kentucky	29	49	18	56	47	1
Louisiana	203	116	933	713	734	226
Maine . . . . .	...	...	54	...	...	23
Maryland . . . . .	...	...	...	...	...	14
Massachusetts . . . . .	...	...	...	...	...	33
Michigan	66	16	216	189	116	24
Minnesota . . . . .	...	...	...	...	...	279
Mississippi	49	...	102	...	...	123
Missouri . . . . .	...	...	4,048	2,302	1,948	293
Montana	36	...	88	15	15	...
Nebraska	2	23	438	253	255	177
New Hampshire . . . . .	...	...	28	...	...	...
New Jersey . . . . .	...	...	40	28	39	50
New Mexico	168	43	318	150	80	...
New York	15	18	44	45	22	134
North Carolina . . . . .	...	...	...	...	...	56
North Dakota . . . . .	...	...	...	...	...	15
Ohio	152	266	1,275	870	694	250
Oklahoma	882	1,020	4,564	2,804	2,847	291
Pennsylvania	154	186	612	625	649	772
Rhode Island . . . . .	...	...	...	...	...	4
South Carolina . . . . .	...	...	...	...	...	52
South Dakota . . . . .	...	...	...	...	...	41
Tennessee . . . . .	...	...	...	...	...	35
Texas	2,031	1,318	12,773	8,762	7,972	840
Utah . . . . .	...	...	124	22	...	...
Vermont . . . . .	...	...	44	...	...	...
West Virginia	176	275	103	54	83	1
Wyoming	91	139	905	426	149	62
U. S. total	5,473	4,332	35,306	23,448	20,218	6,084

*Pipe-line fill.

Authority: Bureau of Mines.

SHIPMENTS OF MOTOR FUEL BY U. S. PIPE LINES, BY YEARS, 1931-1949¹

(Thousands of Gallons)

Year	Motor Fuel Turned into Lines	Motor Fuel Delivered from Lines	Shortage	Stocks in Lines and Working Tanks (December 31)
1949.....	279,645	278,221	761	12,009
1948.....	246,253	243,151	790	11,346
1947.....	244,971	244,146	1,051	9,034
1946.....	218,174	218,756	761	9,260
1945.....	281,551	282,115	957	10,603
1944.....	283,052	278,280	1,101	12,124
1943.....	206,512	203,678	953	8,453
1942.....	126,232	125,341	677	6,572
1941.....	112,976	111,077	615	6,358
1940.....	97,064	96,657	588	5,074
1939.....	95,123	94,708	262	5,255
1938.....	85,592	85,297	330	3,327
1937.....	74,147	73,233	260	3,362
1936.....	58,873	58,436	298	2,676
1935.....	50,984	50,198	292	2,537
1934.....	45,505	45,383	94	1,343
1933.....	38,417	38,196	104	1,315
1932.....	29,901	29,573	92	1,198
1931.....	14,735	12,766	58	962

¹ Represents total amount of motor fuel turned into pipe-line systems.

Authority: Bureau of Mines

U. S. PETROLEUM REFINED-PRODUCTS PIPE LINES— MISCELLANEOUS STATISTICS—1930-1949

	1949	1948	1945	1940	1935	1930
Number of pump stations.....	325	311	236	150	99	18
Average station spacing.....	55.5	53.4	48.5	46.0	40.6	62.5
Number of delivery terminals.....	280	261	204	133	65	11
Average terminal spacing.....	64.5	63.5	56.0	51.8	61.8	102
Total installed horsepower.....	267,000	251,300	165,200	82,600	46,300	8,875
Installed horsepower per million barrel-miles pumped.....	2.43	2.40	2.17	2.83	2.77	3.95
Miles of pipe coated.....	10,993	10,103	4,817	1,617	310	23
Average coated, per cent.....	54.7	54.9	37.5	20.1	6.9	1.8

Authority: John W. de Groot, Tuscarora Oil Co., Ltd., "History and Development of Products Pipe Lines," *Proc. API* 29 [V] 11 (1949).

Most of Products Pipe Lines of 6- and 8-In. Pipe

U. S. PETROLEUM REFINED-PRODUCTS PIPE-LINE MILEAGE, BY PIPE SIZE, 1930-1949

	1949		1948		1945		1940		1935		1930	
	Miles	Per Cent	Miles	Per Cent	Miles	Per Cent	Miles	Per Cent	Miles	Per Cent	Miles	Per Cent
2-in.	40	0.2	40	0.2	35	0.3	15	0.2	11	0.2	....	....
3-in.	136	0.7	136	0.7	85	0.7	78	1.0	73	1.6	....	....
4-in.	717	3.5	789	4.3	675	5.2	514	6.4	233	5.2	1	....
5-in.	83	0.4	83	0.5	83	0.6	83	1.0	....	....	....	....
6-in.	6,266	31.2	6,039	32.8	5,204	40.5	3,457	43.0	2,136	47.8	197	15.3
8-in.	10,217	50.8	8,944	48.6	5,530	43.0	3,761	46.8	1,926	43.1	998	77.5
10-in.	1,602	8.0	1,582	8.6	696	5.4	4	0.1	1	....	....	....
12-in.	1,048	5.2	786	4.3	549	4.3	128	1.5	91	2.1	93	7.2
U. S. total	20,109	100.0	18,399	100.0	12,857	100.0	8,040	100.0	4,471	100.0	1,289	100.0

Authority: John W. de Groot, Tuscarora Oil Co., Ltd., "History and Development of Products Pipe Lines," *Proc. API* 29 [V] 11 (1949).

Products Pipe-Line Mileage Shows 16-Fold Increase in 20 Years

U. S. PETROLEUM REFINED-PRODUCTS PIPE-LINE RIGHT-OF-WAY—MILEAGE BY STATES—1930-1949

State	1949	1948	1945	1940	1935	1930
Alabama	281	281	281	0	0	0
Arizona	0	0	0	0	0	0
Arkansas	202	202	168	0	0	0
California	49	20	20	20	20	20
Colorado	214	214	0	0	0	0
Connecticut	26	26	26	26	0	0
Delaware	0	0	0	0	0	0
Florida	78	78	78	0	0	0
Georgia	811	811	794	0	0	0
Idaho	230	0	0	0	0	0
Illinois	1,359	1,114	849	814	137	0
Indiana	710	612	612	201	0	0
Iowa	1,060	1,046	950	625	507	0
Kansas	1,540	1,560	1,253	1,049	731	325
Kentucky	6	6	6	6	0	0
Louisiana	441	441	345	0	0	0
Maine	127	0	0	0	0	0
Maryland	74	74	74	0	0	0
Massachusetts	204	204	180	86	79	0
Michigan	127	126	71	71	68	0
Minnesota	848	848	124	124	124	0
Mississippi	165	165	165	0	0	0
Missouri	887	479	479	467	356	247
Montana	0	0	0	0	0	0
Nebraska	609	609	433	199	7	0
Nevada	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0
New Jersey	104	104	104	103	47	47
New Mexico	0	0	0	0	0	0
New York	528	521	521	412	88	0
North Carolina	106	106	106	0	0	0
North Dakota	70	70	0	0	0	0
Ohio	1,070	1,020	584	478	113	0
Oklahoma	785	864	376	405	338	78
Oregon	0	0	0	0	0	0
Pennsylvania	2,355	2,175	1,850	1,462	1,292	323
Rhode Island	21	21	21	21	21	0
South Carolina	100	100	100	0	0	0
South Dakota	167	167	81	10	0	0
Tennessee	106	106	106	0	0	0
Texas	2,307	2,235	675	311	87	85
Utah	90	0	0	0	0	0
Vermont	0	0	0	0	0	0
Virginia	0	0	0	0	0	0
Washington	0	0	0	0	0	0
West Virginia	7	7	7	0	0	0
Wisconsin	0	0	0	0	0	0
Wyoming	189	189	0	0	0	0
U. S. total	18,053	16,601	11,439	6,890	4,015	1,125

Authority: John W. de Groot, Tuscara Oil Co., Ltd., "History and Development of Products Pipe Lines," *Proc. API* 29 [V] 11 (1949).

Pipe Lines Bring Natural Gas to 35 States

U. S. MILEAGE* OF NATURAL-GAS PIPE LINES AND UTILITY DISTRIBUTION MAINS, BY REGIONS AND STATES—BY YEARS, 1945-1949

Region and State	1949 All Lines				1948 All Lines				1947 All Lines			
	Field and Gathering	Trans-mission	Distribution	Total Mileage	Field and Gathering	Trans-mission	Distribution	Total Mileage	Field and Gathering	Trans-mission	Distribution	Total Mileage
New England	0	0	0	0	0	0	0	0	0	0	0	0
Middle Atlantic	7,940	11,840	13,990	33,770	7,840	11,540	12,720	32,100	6,880	11,810	12,350	31,040
New York	0	100	320	420	0	0	0	0	0	0	0	0
Pennsylvania	530	2,630	3,740	6,900	530	2,500	3,260	6,290	470	2,370	3,170	6,010
East North Central	7,410	9,110	9,930	26,450	7,310	9,040	9,460	25,810	6,410	9,440	9,180	25,030
Illinois	2,730	18,100	36,670	57,500	2,710	16,390	33,320	52,420	2,630	15,790	30,190	48,610
Indiana	20	3,640	6,600	10,260	20	2,960	5,660	8,640	20	2,390	4,610	7,020
Michigan	150	1,910	3,000	5,060	120	1,830	2,950	4,900	130	1,900	2,790	4,820
Ohio	460	2,460	9,030	11,950	390	1,950	8,650	10,990	390	1,770	8,390	10,550
Wisconsin	2,100	9,690	16,490	28,280	2,180	9,570	15,950	27,710	2,090	9,650	14,300	26,040
West North Central	1,940	17,750	17,830	37,520	1,460	16,230	14,680	32,370	1,370	15,460	13,310	30,140
Iowa	0	1,800	2,360	4,160	0	1,500	2,160	3,660	0	1,500	2,020	3,520
Kansas	1,920	10,300	5,190	17,410	1,440	9,180	4,890	15,720	1,340	8,770	4,900	15,010
Minnesota	0	630	2,550	3,180	0	620	2,400	3,020	0	610	1,650	2,260
Missouri	(*)	2,040	5,020	7,060	(*)	1,820	2,770	4,590	10	1,800	2,350	4,160
Nebraska	0	2,390	2,240	4,630	0	2,210	2,100	4,310	(3)	2,180	1,960	4,140
North Dakota	20	280	140	440	20	280	140	440	20	280	130	430
South Dakota	0	310	330	640	0	320	310	630	0	320	300	620
South Atlantic	8,080	5,220	8,930	22,230	7,940	5,160	8,200	21,300	7,510	5,340	7,860	20,710
District of Columbia	0	0	1,060	1,060	0	0	1,050	1,050	0	0	1,040	1,040
Florida	0	40	140	180	0	40	130	170	0	40	120	160
Georgia	0	320	1,820	2,140	0	320	1,570	1,890	0	310	1,560	1,870
Maryland	0	150	940	1,090	0	150	800	950	0	140	740	880
Virginia	0	230	880	1,110	0	230	800	1,030	0	230	720	950
West Virginia	8,080	4,480	4,090	16,650	7,940	4,420	3,850	16,210	7,510	4,620	3,680	15,810
East South Central	2,040	6,490	7,000	15,530	1,650	6,140	6,300	14,090	1,570	5,410	5,370	12,350
Alabama	0	1,040	1,630	2,670	10	930	1,430	2,370	0	800	1,070	1,870
Kentucky	1,960	2,100	1,570	5,630	1,570	2,280	1,410	5,260	1,520	2,020	1,330	4,870
Mississippi	70	2,710	2,310	5,090	60	2,340	2,090	4,490	50	2,190	1,750	3,990
Tennessee	10	640	1,490	2,140	10	590	1,370	1,970	0	400	1,220	1,620
West South Central	6,500	27,350	32,100	65,950	6,180	25,750	29,590	61,520	5,640	24,440	27,770	57,850
Arkansas	100	3,110	3,060	6,270	100	2,950	2,670	5,720	60	2,890	2,440	5,390
Louisiana	930	4,340	4,330	9,600	860	4,170	4,070	9,100	840	3,820	3,680	8,340
Oklahoma	2,250	4,690	5,600	12,540	2,230	4,380	5,260	12,280	2,380	4,720	5,350	12,450
Texas	3,220	15,010	19,110	37,340	2,940	13,910	17,570	34,420	2,360	13,010	16,300	31,670
Rocky Mountain	1,360	7,920	7,370	16,650	1,270	7,340	6,430	15,040	1,070	6,800	5,560	13,430
Arizona	0	1,730	1,690	3,420	0	1,530	1,290	2,820	0	1,320	980	2,300
Colorado	20	1,090	1,840	2,950	20	1,040	1,680	2,740	20	940	1,510	2,470
Montana	780	1,240	880	2,900	780	1,280	890	2,950	650	1,220	810	2,680
New Mexico	460	2,160	1,180	3,800	370	1,980	950	3,300	320	1,840	830	2,990
Utah	10	310	1,220	1,540	10	270	1,170	1,450	10	240	980	1,230
Wyoming	90	1,390	560	2,040	90	1,240	510	1,840	70	1,240	450	1,760
Pacific	270	3,600	28,460	32,330	180	3,420	26,960	30,560	380	2,970	25,380	28,730
California	270	3,600	28,460	32,330	180	3,420	26,960	30,560	380	2,970	25,380	28,730
U. S. total	30,860	98,270	152,350	281,480	29,230	91,970	138,200	259,400	27,050	88,020	127,790	242,860

U. S. MILEAGE¹ OF NATURAL-GAS PIPE LINES AND UTILITY DISTRIBUTION MAINS, BY REGIONS AND STATES—BY YEARS, 1945-1949—Continued

Region and State	1945 All Lines			
	Field and Gathering	Trans- mission	Distri- bution	Total Mileage
New England	0	0	0	0
Middle Atlantic	7,010	11,380	11,160	29,550
New Jersey	0	0	0	0
New York	510	2,200	2,280	4,990
Pennsylvania	6,500	9,180	8,880	24,560
East North Central	2,550	14,330	28,580	46,060
Illinois	10	1,840	3,640	5,490
Indiana	160	1,800	2,820	4,780
Michigan	310	1,730	8,140	10,180
Ohio	2,070	9,490	13,680	25,440
Wisconsin	0	70	100	170
West North Central	1,120	14,560	11,590	27,270
Iowa	0	1,360	2,030	3,390
Kansas	1,090	8,300	4,570	13,960
Minnesota	0	600	530	1,130
Missouri	20	1,740	2,450	4,210
Nebraska	(²)	1,970	1,550	3,520
North Dakota	10	280	140	430
South Dakota	0	310	320	630
South Atlantic	7,500	5,160	5,690	18,350
District of Columbia	0	0	0	0
Florida	0	40	110	150
Georgia	0	300	1,450	1,750
Maryland	0	150	260	410
Virginia	0	200	340	540
West Virginia	7,500	4,470	3,530	15,500
East South Central	1,550	4,700	5,390	11,640
Alabama	0	800	850	1,650
Kentucky	1,500	1,750	1,520	4,770
Mississippi	50	1,840	1,840	3,730
Tennessee	0	310	1,180	1,490
West South Central	5,400	23,080	26,110	54,590
Arkansas	70	2,510	2,300	4,880
Louisiana	810	3,540	3,430	7,780
Oklahoma	2,430	4,650	4,910	11,990
Texas	2,090	12,380	15,470	29,940
Rocky Mountain	980	5,740	5,050	11,770
Arizona	0	930	820	1,750
Colorado	20	710	1,390	2,120
Montana	630	1,170	770	2,570
New Mexico	250	1,500	800	2,550
Utah	10	230	840	1,080
Wyoming	70	1,200	430	1,700
Pacific	340	2,910	24,020	27,270
California	340	2,910	24,020	27,270
U. S. total	26,450	82,460	117,590	226,500

¹ Excludes service pipe, which is used for delivering gas from the distribution main to the customer's meter.

² Less than 5 miles.

Authority American Gas Association

U. S. RAILROAD TANK CARS IN SERVICE, BY YEARS, 1942-1950

As of January 1:	Privately-owned	Railroad-owned	Total	In Petroleum Service ²
1950.....	142,964	9,219	152,183	95,000 ³
1949.....	141,819	8,985	150,804	.....
1948.....	137,486	9,042	146,528	102,997 ⁴
1947.....	134,203	9,083	143,286	.....
1946..	138,348	10,158	148,506	.....
1945.....	141,135	10,133	151,268	113,238 ⁴
1944.....	141,290	9,812	151,102	120,560 ⁴
1943.....	140,598	9,438	150,036	.....
1942.....	143,898	8,733	152,631	.....

² Included in total tank cars. Because tank cars are used interchangeably in petroleum, chemical, vegetable-oil, packing-house-products, and similar service, all figures on those in petroleum service are necessarily estimates.

³ The Union Tank Car Co. estimates that, on Jan. 1, 1950, approximately 90,000 to 95,000 U. S. tank cars were actually used in petroleum service.

⁴ Estimated by Office of Defense Transportation, as of the following dates: Mar. 1, 1948; Mar. 15, 1945; and Jan. 1, 1944.

Authority: Association of American Railroads.

Tank Cars Travel Two Billion Miles a Year

U. S. MILEAGE OF PRIVATELY-OWNED TANK CARS ON CLASS I RAILROADS, BY YEARS, 1939-1949

Year	Loaded	Empty	Total
1949	1,043,334,093	1,050,711,951	2,094,046,044
1948	1,347,049,855	1,344,802,000	2,691,851,855
1947	1,263,303,665	1,261,081,816	2,524,385,481
1946	1,072,775,607	1,090,794,110	2,163,569,717
1945	2,029,931,755	2,035,821,370	4,065,753,125
1944	3,013,615,846	2,942,789,676	5,956,405,522
1943	3,222,203,874	3,145,904,590	6,368,108,464
1942	2,525,757,156	2,485,866,864	5,011,624,020
1941	940,203,588	945,218,546	1,885,442,134
1940	760,884,317	764,950,793	1,525,835,110
1939	765,223,429	761,543,556	1,526,766,985

Authority: Association of American Railroads.

U. S. PETROLEUM FREIGHT ORIGINATED BY CLASS I RAILROADS—BY DISTRICT AND COMMODITY— BY YEARS, 1929-1949

		(Thousands of Tons)									
		1948	1947 ²	1946	1945	1944	1943	1942	1941	1940	1939
Eastern District:											
Crude petroleum		54	99	490	614	570	7,253	4,518	1,627	1,593	3,023
Gasoline ¹		1,717	3,994	7,718	6,938	7,234	5,562	6,378	10,429	10,556	10,614
Fuel, road, and residual oils		2,885	5,242	4,761	3,678	3,469	3,831	5,530	6,527	5,876	5,224
Lubricating oils and greases		1,584	2,540	2,442	2,328	2,484	2,364	2,172	2,267	1,804	1,929
Products not otherwise specified		1,850	2,481	2,226	2,230	2,081	2,021	1,922	2,065	1,775	1,929
Asphalt (natural and petroleum)		2,347	3,177	3,035	2,415	2,209	1,984	2,237	3,448	2,690	2,542
Total, Eastern District.....		10,437	17,533	18,672	16,203	15,969	21,196	21,027	24,504	22,689	23,506
Southern District:											
Crude petroleum		1,544	2,533	2,316	3,971	5,905	7,749	8,369	2,816	1,081	393
Gasoline ¹		3,989	5,354	5,475	2,662	2,881	2,988	4,463	6,602	5,963	5,704
Fuel, road, and residual oils		1,749	2,122	1,373	1,742	2,231	2,587	1,868	1,071	831	720
Lubricating oils and greases		280	399	332	432	417	367	224	176	123	121
Products not otherwise specified		1,012	1,328	15	27	41	50	17	125	18	23
Asphalt (natural and petroleum)		1,033	1,215	1,001	799	744	676	942	1,048	832	710
Total, Southern District.....		9,607	12,951	10,512	9,633	12,219	14,417	15,683	11,738	8,849	7,671
Western District:											
Crude petroleum		3,485	7,286	3,813	5,931	9,862	9,889	8,292	2,875	2,362	2,513
Gasoline ¹		7,625	10,565	16,135	18,558	20,110	17,056	19,603	19,186	17,673	17,614
Fuel, road, and residual oils		8,423	9,473	7,411	11,133	15,190	16,760	12,092	6,976	6,138	5,843
Lubricating oils and greases		1,980	2,615	2,609	3,270	3,137	2,959	2,246	1,737	1,254	1,234
Products not otherwise specified		4,485	4,032	3,113	2,64	398	321	193	153	101	100
Asphalt (natural and petroleum)		2,157	2,494	2,231	2,011	2,090	2,170	2,682	2,156	1,731	1,575
Total, Western District.....		28,155	36,156	32,512	41,167	50,787	49,265	45,108	33,082	29,260	28,880
United States:											
Crude petroleum		5,083	9,918	6,619	10,516	16,337	24,891	21,180	7,318	5,035	5,929
Gasoline ¹		13,331	19,913	28,228	28,168	30,224	25,605	30,443	36,217	34,193	33,933
Fuel, road, and residual oils		13,057	15,434	16,528	13,553	20,889	23,188	19,280	14,573	12,846	11,788
Lubricating oils and greases		3,844	5,554	5,883	6,830	5,836	5,690	4,642	4,179	3,181	3,284
Products not otherwise specified		7,347	8,313	7,354	6,531	643	673	402	384	289	297
Asphalt (natural and petroleum)		5,537	6,866	6,267	5,225	5,043	4,829	5,861	6,652	5,254	4,826
U. S. total.....		48,199	66,640	61,696	67,003	78,974	84,876	81,818	69,324	60,797	60,057

U. S. PETROLEUM FREIGHT ORIGINATED BY CLASS I RAILROADS—BY DISTRICT AND COMMODITY— BY YEARS, 1929-1949—Continued

(Thousands of Tons)

District and Commodity	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929
Eastern District:										
Crude petroleum	930	846	664	1,136	705	481	421	173	238	374
Gasoline 1	10,979	12,840	13,118	12,958	13,373	12,543	13,234	15,289	16,445	15,973
Fuel, road, and residual oils	4,395	5,230	5,368	4,874	4,597	3,725	3,363	3,695	4,227	4,763
Lubricating oils and greases	1,588	1,971	1,863	1,695	1,596	1,437	1,498	1,814	2,084	2,285
Products not otherwise specified	135	159	138	138	121	124	125	153	142	182
Asphalt (natural and petroleum)	2,161	2,236	2,314	1,911	1,708	1,617	1,751	1,713	1,789	1,931
Total, Eastern District.....	20,189	23,283	23,464	22,713	22,100	19,927	20,392	22,837	24,926	25,508
Southern District:										
Crude petroleum	314	191	174	110	58	69	197	190	66	119
Gasoline 1	5,506	5,711	5,209	4,977	5,103	4,689	4,652	5,264	5,508	5,566
Fuel, road, and residual oils	547	537	551	462	464	429	450	495	589	641
Lubricating oils and greases	92	105	98	77	85	87	101	154	180	210
Products not otherwise specified	23	23	20	15	18	19	18	24	19	16
Asphalt (natural and petroleum)	619	578	598	477	420	370	374	479	553	619
Total, Southern District.....	7,101	7,145	6,741	6,118	6,146	5,663	5,792	6,605	6,914	7,172
Western District:										
Crude petroleum	2,801	3,103	2,633	2,249	2,618	4,152	2,185	7,085	6,294	6,138
Gasoline 1	18,723	19,865	18,754	17,509	17,562	16,672	18,002	22,056	25,433	24,961
Fuel, road, and residual oils	5,460	6,815	6,522	4,831	5,626	4,724	4,243	5,442	6,826	8,074
Lubricating oils and greases	1,122	1,277	1,194	1,123	1,070	982	978	1,180	1,382	1,477
Products not otherwise specified	74	81	75	57	53	63	42	49	66	90
Asphalt (natural and petroleum)	1,462	1,459	1,185	662	601	420	458	555	583	648
Total, Western District.....	29,643	32,600	30,363	26,431	27,530	26,982	25,909	36,366	40,584	41,387
United States:										
Crude petroleum	4,046	4,140	3,471	3,495	3,381	4,702	2,803	7,448	6,598	6,630
Gasoline 1	35,208	38,416	37,172	35,444	36,038	33,904	33,898	42,609	47,386	46,500
Fuel, road, and residual oils	10,402	12,583	12,442	10,167	10,688	8,877	8,056	9,632	11,642	13,478
Lubricating oils and greases	2,803	3,352	3,155	2,896	2,476	2,476	2,577	3,147	3,647	3,973
Products not otherwise specified	232	263	233	211	190	206	185	226	226	289
Asphalt (natural and petroleum)	4,243	4,273	4,097	3,049	2,729	2,407	2,583	2,746	2,925	3,196
U. S. total.....	56,933	63,028	60,569	55,282	55,776	52,572	52,093	65,808	72,425	74,067

¹ Prior to 1947 "gasoline" was classified as "petroleum oils, refined," which included other refined products. Therefore, the decrease in "gasoline" reflects a transfer of products to the classification "products not otherwise refined."

Authority: Interstate Commerce Commission

RAILWAY REVENUE¹ FROM PETROLEUM, BY PRODUCTS

Year	Crude Petroleum	Gasoline ²	Fuel, Road, and Residual Oils	Lubricating Oils and Greases	Products, Not Otherwise Specified	Asphalt (Natural and Petroleum)	Total Petroleum Revenue	Total, All Carload Freight Revenue	Petroleum as Per Cent of All Carload Freight Revenue
1949.....	\$16,138,843	\$74,720,088	\$75,359,928	\$45,033,109	\$72,254,021	\$38,038,931	\$324,544,720	\$6,985,709,676	4.64
1948.....	84,328,877	81,609,984	88,887,646	54,587,169	75,736,061	43,579,895	318,739,632	7,827,795,586	5.35
1947 ³	38,948,626	89,959,774	76,857,416	50,921,960	59,016,431	35,647,747	352,349,934	6,886,790,061	5.12
1946.....	19,825,442	130,048,773	55,210,341	42,715,165	4,400,807	27,835,316	280,035,844	5,631,981,906	4.97
1945.....	59,909,840	210,452,636	126,359,677	54,499,016	5,052,786	24,161,108	480,435,063	6,563,299,959	7.32
1944.....	109,883,724	270,008,625	168,935,080	56,138,138	5,619,608	24,819,397	635,404,572	6,956,939,440	9.13
1943.....	152,407,684	231,248,599	186,079,718	58,003,215	5,851,136	27,299,213	660,889,565	6,748,420,885	9.79
1942.....	119,900,560	208,128,006	129,077,981	44,089,523	4,092,404	30,501,539	535,780,045	5,657,060,709	9.15
1941.....	17,178,984	137,531,980	47,155,370	28,988,333	2,691,325	26,010,655	259,156,647	4,317,978,117	6.01
1940.....	6,859,239	137,169,180	42,489,250	21,220,884	1,994,182	20,317,104	232,059,839	3,430,486,460	6.76
1939.....	12,172,521	150,763,517	40,904,735	22,014,464	2,029,397	18,929,108	246,813,742	3,123,589,475	7.80
1938.....	9,095,159	162,993,074	37,468,268	19,223,888	1,535,207	17,803,094	248,118,690	2,733,635,419	8.08
1937.....	9,698,853	169,278,364	43,202,708	21,124,220	1,664,349	16,624,625	261,593,159	3,251,215,140	8.05
1936.....	8,606,962	171,922,566	43,492,944	20,504,148	1,563,875	15,202,609	261,293,104	3,171,233,547	8.24
1935.....	8,831,368	168,451,151	32,697,585	18,174,467	1,325,914	10,706,564	240,387,049	2,662,142,958	9.03
1934.....	9,406,266	172,517,432	33,393,764	17,003,160	1,154,367	9,681,216	243,156,205	2,506,068,320	9.70
1933.....	11,711,448	171,432,250	29,497,353	15,188,469	1,186,563	8,239,678	237,255,761	2,350,138,203	10.10
1932.....	8,569,599	192,065,349	27,600,442	15,647,882	978,871	9,616,285	254,498,428	2,280,897,221	11.16
1931.....	22,032,121	241,743,778	34,503,686	19,094,717	1,078,600	10,630,892	329,083,794	3,019,039,343	10.90

¹ Carload freight only.

² Prior to 1947, "gasoline" was classified as "petroleum oils, refined," which included other refined products. Therefore, the decrease in "gasoline" reflects a transfer of products to a classification of "products, not otherwise specified."

Authority Interstate Commerce Commission

U. S. Flag Tankers Rank First in Number and Tonnage

WORLD TANKSHIP FLEET OF 2,000 GROSS TONS AND OVER BY SELECTED YEARS, 1940-1949

(As of January 1, Except as Noted)

Country	September 1, 1949		September 1, 1945		1945		1944	
	Num- ber	Gross Tons	Num- ber	Gross Tons	Num- ber	Gross Tons	Num- ber	Gross Tons
United States	578	5,439,009	907	8,379,542	780	7,084,022	556	4,784,954
Panama	176	1,511,969	72	522,607	68	502,473	76	539,783
Others ³	116	658,863	68	339,578	68	339,578	68	347,606
Total Western Hemisphere ² ..	870	7,609,841	1,047	9,241,727	916	7,926,073	700	5,672,343
Great Britain	458	3,614,321	399	2,800,789	380	2,685,010	353	2,521,751
Norway	237	2,107,524	165	1,393,138	163	1,364,567	166	1,370,174
Netherlands	92	479,862	65	322,954	67	333,830	77	374,090
France	64	570,862	15	109,241	17	122,063	29	209,430
U.S.S.R.	16	101,201	22	161,356	24	171,560	24	154,563
Germany .....	....	....	40	332,741	44	364,081	55	461,742
Italy	66	503,818	22	126,591	23	131,549	30	171,383
Sweden	37	344,787	37	325,113	38	336,380	32	279,528
Others ⁴	73	535,485	36	213,368	33	188,305	31	170,803
Total Europe	1,043	8,257,860	801	5,785,201	789	5,697,345	797	5,713,464
Japan	24	176,001	63	478,987	63	478,987	59	503,753
Other world ⁵	18	205,901	....	....	....	....	....	....
World total	1,955	16,249,603	1,911	15,506,005	1,768	14,102,405	1,556	11,889,560

Country	1943		1942		1941		1940	
	Num- ber	Gross Tons	Num- ber	Gross Tons	Num- ber	Gross Tons	Num- ber	Gross Tons
United States	366	2,901,748	389	2,931,193	379	2,824,128	383	2,824,160
Panama	72	551,694	77	630,426	71	588,323	64	555,734
Others ³	68	347,606	82	407,890	63	290,623	56	250,391
Total Western Hemisphere ² ..	506	3,801,048	548	3,969,509	513	3,703,074	503	3,630,285
Great Britain	355	2,534,899	411	2,930,844	417	2,975,688	450	3,234,852
Norway	186	1,523,062	231	1,882,687	255	2,055,254	262	2,073,771
Netherlands	80	389,442	97	482,956	101	514,512	107	544,462
France	41	305,158	43	318,497	46	328,980	56	385,117
U.S.S.R.	16	106,126	16	106,493	17	113,050	17	113,050
Germany	48	414,212	40	353,276	38	326,485	33	262,981
Italy	34	194,055	45	242,353	80	429,094	81	432,491
Sweden	32	282,411	28	244,061	24	205,187	21	183,206
Others ⁴	28	153,220	30	167,237	39	226,477	50	305,131
Total Europe	820	5,902,585	941	6,728,404	1,017	7,174,727	1,077	7,535,061
Japan	62	548,747	61	544,860	59	532,947	57	574,827
Other world ⁵ .....	....	....	....	....	....	....	....	....
World total	1,388	10,252,380	1,550	11,242,773	1,589	11,410,748	1,637	11,680,173

² Excluding Canada and including Philippines for all years except 1949, which includes both Canada and the Philippines.

³ Argentina, Brazil, Chile, Colombia, Cuba, Dominican Republic, Ecuador, Honduras, Mexico, Peru, Philippines, Uruguay, and Venezuela for 1940 through Sept. 1, 1945. Includes Argentina, Brazil, Chile, Honduras, Mexico, Peru, Philippines, Uruguay, and Venezuela for 1949.

⁴ Austria, Belgium, Danzig, Denmark, Finland, Greece, Hungary, Portugal, Romania, Spain, Turkey, and Yugoslavia for 1940 through Sept. 1, 1945. Includes Belgium, Denmark, Finland, Greece, Poland, Portugal, Spain, Switzerland, Turkey, and Yugoslavia for 1949.

⁵ China, India, Liberia, Pakistan, and Union of South Africa.

Authority: Statistical Research Division, Sun Oil Co.

World Tankship Fleet at All-Time High

TOTAL WORLD TANKSHIP FLEET (ACTUAL AND T2-SE-A1 EQUIVALENTS), BY YEARS, 1900-1949

(Ocean-going Vessels of 2,000 Gross Tons and Over)

Year (As of January 1)	Actual				T2-SE-A1 Equivalent	
	Number	Gross Tons	Deadweight Tons	Average Speed (Knots)	Number	Deadweight Tons
September 1, 1949..	1,955	16,249,603	24,932,400	13.2	1,352.3	22,671,300
January 1, 1949....	1,872	15,459,372	23,815,800	12.1	1,274.4	21,365,300
April 1, 1948.....	1,863	15,364,543	23,692,400	12.9	1,264.3	21,196,000
October 1, 1947....	1,868	15,286,141	23,585,800	13.10	1,271.4	21,315,000
January 1, 1947...	1,925	15,692,962	24,278,900	12.87	1,285.1	21,544,100
September 1, 1945..	1,911	15,506,005	23,916,319	12.85	1,264.5	21,199,400
1945	1,768	14,102,405	21,667,642	12.67	1,129.2	18,931,100
1944	1,556	11,889,560	18,101,816	12.20	908.8	15,236,000
1943	1,388	10,252,380	15,498,123	11.75	749.1	12,558,700
1942	1,550	11,242,773	16,963,861	11.40	795.8	13,341,700
1941	1,589	11,410,748	17,194,000	11.28	798.1	13,380,100
1940	1,637	11,680,173	17,581,257	11.18	808.5	13,554,400
1939	1,571	11,023,058	16,599,794	11.01	752.0	12,607,300
1938	1,486	10,271,779	15,483,386	10.87	692.4	11,608,200
1937	1,421	9,607,497	14,506,232	10.73	640.4	10,736,300
1936	1,381	9,176,686	13,867,864	10.61	605.4	10,149,600
1935	1,357	8,913,516	13,466,729	10.55	584.2	9,794,200
1934	1,363	8,899,971	13,449,016	10.52	581.8	9,753,900
1933	1,373	8,882,754	13,421,383	10.49	579.0	9,707,000
1932	1,366	8,776,154	13,262,571	10.46	570.6	9,566,100
1931	1,273	8,026,520	12,117,810	10.38	517.6	8,677,500
1930	1,191	7,348,932	11,060,794	10.29	467.9	7,844,300
1929	1,147	6,980,941	10,521,315	10.23	443.0	7,426,900
1928	1,044	6,298,008	9,481,919	10.19	397.2	6,659,100
1927	973	5,891,314	8,880,337	10.17	371.4	6,226,400
1926	933	5,629,374	8,494,208	10.16	354.9	5,949,900
1925	896	5,395,125	8,152,459	10.17	340.6	5,710,200
1924	888	5,332,179	8,065,422	10.16	336.8	5,646,500
1923	856	5,116,449	7,737,481	10.14	322.8	5,411,700
1922	791	4,664,941	7,059,159	10.13	294.2	4,932,300
1921	645	3,616,832	5,447,338	10.06	225.4	3,778,800
1920	540	2,947,719	4,417,041	10.01	182.0	3,051,200
1919	467	2,467,229	3,681,453	9.96	150.8	2,528,200
1918	417	2,131,315	3,194,052	9.75	128.2	2,149,300
1917	372	1,835,458	2,711,424	9.63	107.5	1,802,100
1916	347	1,669,542	2,453,740	9.52	96.2	1,612,700
1915	347	1,631,897	2,388,050	9.63	94.7	1,587,700
1914	300	1,317,151	1,946,946	9.56	76.7	1,285,800
1913	245	1,014,921	1,495,463	9.48	58.4	979,000
1912	215	873,342	1,288,328	9.40	49.9	836,500
1911	213	871,818	1,285,478	9.40	49.8	834,900
1910	208	845,368	1,248,178	9.38	48.1	806,300
1909	194	778,268	1,147,400	9.35	44.2	741,100
1908	171	650,668	961,585	9.33	36.9	618,700
1907	167	629,117	930,619	9.35	35.8	600,100
1906	162	609,347	901,219	9.35	34.6	580,100
1905	159	598,477	885,144	9.35	34.0	569,900
1904	153	579,217	856,238	9.33	32.9	551,500
1903	135	485,664	718,595	9.26	27.3	457,600
1902	126	440,239	652,834	9.21	24.7	414,100
1901	116	391,751	581,806	9.13	21.7	363,700
1900	109	356,448	530,725	9.03	19.6	328,600

Authority: Statistical Research Division, Sun Oil Co.

WORLD TANKSHIP FLEET, BY

(Ocean-going Vessels of

Flag	Total World Tankers			Total Oil-Company Tankers		
	Number	Dead-weight Tons	Average Speed (Knots)	Number	Dead-weight Tons	Average Speed (Knots)
1 Western Hemisphere—						
2 United States	578	8,639,800	14.4	312	4,776,100	14.0
3 Panama	176	2,409,000	13.1	94	1,444,100	13.5
4 Canada	19	216,700	14.1	9	134,900	14.6
5 Other Western Hemisphere:						
6 Argentina	31	268,500	11.8	1	3,200	10.5
7 Brazil	5	44,000	10.2	....	....	....
8 Chile	2	9,600	11.0	....	....	....
9 Honduras	7	114,000	13.9	....	....	....
10 Mexico	13	129,800	10.5	....	....	....
11 Peru	1	4,300	10.0	....	....	....
12 Philippine Islands	1	13,500	16.0	....	....	....
13 Uruguay	2	33,600	14.5	....	....	....
14 Venezuela	35	143,900	10.1	35	143,900	10.1
15 Total other Western Hemisphere	97	761,200	11.6	36	147,100	10.1
16 Total Western Hemisphere.	870	12,026,700	14.0	451	6,502,200	13.8
17 Europe—						
18 ECA countries:						
19 Belgium	5	61,000	12.7	4	52,100	12.8
20 Denmark	16	217,000	11.8	4	59,200	11.2
21 France	64	855,300	13.0	16	199,800	12.8
22 Greece	11	149,100	13.5	....	....	....
23 Italy	66	772,300	12.6	2	27,200	11.5
24 Netherlands	92	669,300	11.6	80	544,800	11.4
25 Norway	237	3,194,800	12.6	11	131,400	11.8
26 Portugal	6	55,300	11.9	....	....	....
27 Sweden	37	529,600	13.5	....	....	....
28 Switzerland	2	17,900	10.3	....	....	....
29 Turkey	3	30,000	13.7	....	....	....
30 United Kingdom	458	5,332,900	12.1	323	3,774,700	12.4
31 Total ECA countries.....	997	11,884,500	12.4	440	4,789,200	12.0
32 Other Europe:						
33 Finland	6	67,300	10.5	....	....	....
34 Poland	1	9,300	12.0	....	....	....
35 Spain	21	176,600	11.4	....	....	....
36 U.S.S.R.	16	150,500	11.2	....	....	....
37 Yugoslavia	2	13,400	11.1	....	....	....
38 Total other Europe.....	46	417,100	11.2	....	....	....
39 Total Europe	1,043	12,301,600	12.4	440	4,789,200	12.0
40 China	6	66,200	12.2	....	....	....
41 India	1	5,400	8.0	1	5,400	8.0
42 Japan	24	264,500	12.3	....	....	....
43 Liberia	9	246,000	16.3	3	81,700	16.0
44 Pakistan	1	5,200	9.0	....	....	....
45 Union of South Africa.....	1	16,800	14.5	....	....	....
46 World total	1,955	24,932,400	13.2	895	11,378,500	13.1
47 Total British Empire.....	480	5,577,000	12.2	333	3,915,000	12.1
48 Total United States (all flags).....	841	12,147,900	14.1	527	7,565,900	13.6
49 WORLD total, September 1, 1945..	1,911	23,916,319	12.8	583	6,587,959	11.9
50 Change from September 1, 1945 to September 1, 1949:						
51 Number	+ 44	+ 1,016,081	+ 0.4	+ 312	+ 4,790,541	+ 1.2
52 Per cent	+ 2.3	+ 4.2	+ 3.1	+ 53.5	+ 72.7	+ 10.1

Authority: Statistical Research Division, Sun Oil Co.

FLAG, AS OF SEPTEMBER 1, 1949

2,000 Gross Tons and Over)

U. S. Oil-Company Tankers			Non-oil-Company Tankers			Government Tankers			
Number	Dead-weight Tons	Average Speed (Knots)	Number	Dead-weight Tons	Average Speed (Knots)	Number	Dead-weight Tons	Average Speed (Knots)	
312	4,776,100	14.0	135	2,072,700	14.1	131	1,791,000	15.9	1
94	1,444,100	13.5	82	964,900	12.5	..	.....	..	2
8	131,300	14.7	10	81,800	13.2	....	.....	..	3
1	3,200	10.5	12	112,800	10.9	18	152,500	12.5	4
....	.....	....	3	25,800	10.0	2	18,200	10.5	5
....	.....	....	..	.....	..	2	9,600	11.0	6
....	.....	....	7	114,000	13.9	....	.....	..	7
....	.....	....	....	.....	..	13	129,800	10.5	8
....	.....	....	1	13,500	16.0	1	4,300	10.0	9
....	.....	....	..	.....	....	2	33,600	14.5	10
24	103,500	9.8	....	.....	....	....	.....	....	11
25	106,700	9.8	23	266,100	12.3	38	348,000	11.8	12
439	6,458,200	13.9	250	3,385,500	13.5	169	2,139,000	15.3	13
4	52,100	12.8	1	8,900	12.0	..	.....	....	14
4	59,200	11.2	12	157,800	12.1	..	.....	....	15
6	77,000	13.2	34	480,300	13.0	14	175,200	13.3	16
...	.....	....	10	140,800	13.7	1	8,300	10.0	17
2	27,200	11.5	59	688,100	12.6	5	57,000	12.6	18
7	66,100	13.5	11	120,700	12.4	1	3,800	10.0	19
11	131,400	11.8	226	3,063,400	12.7	....	.....	....	20
....	.....	....	5	49,600	11.9	1	5,700	12.0	21
....	.....	....	37	529,600	13.5	....	.....	....	22
....	.....	....	2	17,900	10.3	....	.....	....	23
....	.....	....	2	25,800	14.3	1	4,200	10.0	24
51	613,000	12.0	89	1,092,800	11.9	46	465,400	13.6	25
85	1,026,000	12.1	488	6,375,700	12.6	69	719,600	13.4	26
....	.....	....	6	67,300	10.5	....	.....	....	27
....	.....	....	....	.....	....	1	9,300	12.0	28
....	.....	....	....	.....	....	21	176,600	11.4	29
....	.....	....	....	.....	....	16	150,500	11.2	30
....	.....	....	....	.....	....	2	13,400	11.1	31
....	.....	....	6	67,300	10.5	40	349,800	11.3	32
85	1,026,000	12.1	494	6,443,000	12.6	109	1,069,400	12.7	33
....	.....	....	6	66,200	12.2	....	.....	....	34
....	.....	....	24	264,500	12.3	....	.....	....	35
3	81,700	16.0	6	164,300	16.5	....	.....	....	36
....	.....	....	1	16,800	14.5	1	5,200	9.0	37
....	.....	....	....	.....	....	....	.....	....	38
527	7,565,900	13.6	781	10,340,300	12.9	279	3,213,600	14.4	39
59	744,300	12.5	100	1,191,400	12.0	47	470,600	13.6	40
527	7,565,900	13.6	183	2,791,000	14.1	131	1,791,000	15.9	41
378	4,602,239	12.2	387	4,672,298	12.4	941	12,656,062	13.5	42
+ 149	+ 2,963,661	+ 1.4	+ 394	+ 5,668,002	+ 0.5	- 662	- 9,442,462	+ 0.9	43
+ 39.4	+ 64.4	+ 11.5	+ 101.8	+ 121.3	+ 4.0	- 70.4	- 74.6	+ 6.7	44
									45
									46
									47
									48
									49
									50

WORLD TANKSHIP FLEET EXPRESSED AS T2-SE-A1

(Ocean-going Vessels of

	Flag	Total T2-SE-A1 Equivalent			Total All Oil Companies		
		Number	Dead-weight Tons	Per Cent of Flag Capacity	Number	Dead-weight Tons	Per Cent of Flag Capacity
1	Western Hemisphere—						
2	United States	513.2	8,603,800	100.0	275.7	4,622,100	53.7
3	Panama	129.7	2,174,400	100.0	80.2	1,344,500	61.8
4	Canada	12.5	209,600	100.0	8.1	135,800	64.8
5	Other Western Hemisphere:						
6	Argentina	13.0	217,900	100.0	0.1	1,700	0.8
7	Brazil	1.8	30,200	100.0	.....	.....	.....
8	Chile	0.4	6,700	100.0	.....	.....	.....
9	Honduras	6.5	109,000	100.0	.....	.....	.....
10	Mexico	5.6	93,900	100.0	.....	.....	.....
11	Peru	0.2	3,300	100.0	.....	.....	.....
12	Philippine Islands	0.9	15,100	100.0	.....	.....	.....
13	Uruguay	2.0	33,500	100.0	.....	.....	.....
14	Venezuela	6.0	100,600	100.0	6.0	100,600	100.0
15	Total other Western Hemisphere	36.4	610,200	100.0	6.1	102,300	16.8
16	Total Western Hemisphere.	691.8	11,598,000	100.0	370.1	6,204,700	53.5
17	Europe—						
18	ECA countries:						
19	Belgium	3.2	53,600	100.0	2.8	46,900	87.5
20	Denmark	10.6	177,700	100.0	2.7	45,300	25.5
21	France	45.8	767,800	100.0	10.5	176,000	22.9
22	Greece	8.3	139,200	100.0	.....	.....	.....
23	Italy	40.0	670,600	100.0	1.3	21,800	3.2
24	Netherlands	31.9	534,800	100.0	25.6	429,200	80.3
25	Norway	165.8	2,779,600	100.0	6.4	107,300	3.9
26	Portugal	2.7	45,300	100.0	.....	.....	.....
27	Sweden	29.4	492,900	100.0	.....	.....	.....
28	Switzerland	0.8	13,400	100.0	.....	.....	.....
29	Turkey	1.7	28,500	100.0	.....	.....	.....
30	United Kingdom	266.4	4,466,200	100.0	186.8	3,131,700	70.1
31	Total ECA countries.....	606.6	10,169,600	100.0	236.1	3,958,200	38.9
32	Other Europe:						
33	Finland	2.9	48,600	100.0	.....	.....	.....
34	Poland	0.5	8,400	100.0	.....	.....	.....
35	Spain	8.3	139,100	100.0	.....	.....	.....
36	U.S.S.R.	7.0	117,400	100.0	.....	.....	.....
37	Yugoslavia	0.6	10,100	100.0	.....	.....	.....
38	Total other Europe.....	19.3	323,600	100.0	.....	.....	.....
39	Total Europe	625.9	10,493,200	100.0	236.1	3,958,200	37.7
40	China	3.3	55,300	100.0	.....	.....	.....
41	India	0.2	3,400	100.0	0.2	3,400	100.0
42	Japan	13.4	224,600	100.0	.....	.....	.....
43	Liberia	16.5	276,600	100.0	5.3	88,800	32.1
44	Pakistan	0.2	3,400	100.0	.....	.....	.....
45	Union of South Africa	1.0	16,800	100.0	.....	.....	.....
46	World total	1,352.3	22,671,300	100.0	611.7	10,255,100	45.2
47	Total British Empire.....	280.3	4,699,400	100.0	195.1	3,270,900	69.6
48	Total United States (all flags).....	704.2	11,805,900	100.0	424.8	7,121,800	60.3
49	WORLD total, September 1, 1945...	1,264.5	21,199,400	100.0	322.5	5,406,600	25.5
50	Change from September 1, 1945 to September 1, 1949:						
51	Number	+ 87.8	+ 1,471,900	.....	+ 289.2	+ 4,848,500	+ 19.7
52	Per cent	+ 6.9	+ 6.9	.....	+ 89.7	+ 89.7	.....

Authority: Statistical Research Division, Sun Oil Co.

EQUIVALENTS, BY FLAG, AS OF SEPTEMBER 1, 1949

2,000 Gross Tons and Over)

U. S. Oil Companies			Non-oil Companies			Governments			
Number	Dead-weight Tons	Per Cent of Flag Capacity	Number	Dead-weight Tons	Per Cent of Flag Capacity	Number	Dead-weight Tons	Per Cent of Flag Capacity	
275.7	4,622,100	53.7	120.1	2,013,500	23.4	117.4	1,968,200	22.9	1
80.2	1,344,500	61.8	49.5	829,900	38.2	....	.....	....	2
8.0	134,200	64.0	4.4	73,800	35.2	....	.....	....	3
0.1	1,700	0.8	5.1	85,400	39.2	7.8	130,800	60.0	4
....	.....	....	1.0	16,700	55.6	0.8	13,500	44.4	5
....	.....	....	6.5	109,000	100.0	0.4	6,700	100.0	6
....	.....	....	....	.....	....	5.6	93,900	100.0	7
....	.....	....	0.9	15,100	100.0	0.2	3,300	100.0	8
....	.....	....	....	.....	....	2.0	33,500	100.0	9
4.2	70,400	70.0	....	.....	....	....	.....	....	10
4.3	72,100	11.8	13.5	226,200	37.1	16.8	281,700	46.1	11
368.2	6,172,900	53.2	187.5	3,143,400	27.1	134.2	2,249,900	19.4	12
2.8	46,900	87.5	0.4	6,700	12.5	....	.....	....	13
2.7	45,300	25.5	7.9	132,400	74.5	....	.....	....	14
4.1	68,700	9.0	25.6	429,200	55.9	9.7	162,600	21.2	15
....	.....	....	8.0	134,100	96.4	0.3	5,100	3.6	16
1.3	21,800	3.2	35.8	600,200	89.5	2.9	48,600	7.3	17
3.7	62,000	11.6	6.2	104,000	19.4	0.1	1,600	0.3	18
6.4	107,300	3.9	159.4	2,672,300	96.1	....	.....	....	19
....	.....	....	2.4	40,300	88.9	0.3	5,000	11.1	20
....	.....	....	29.4	492,900	100.0	....	.....	....	21
....	.....	....	0.8	13,400	100.0	....	.....	....	22
....	.....	....	1.5	25,200	88.2	0.2	3,300	11.8	23
30.3	508,000	11.4	53.5	896,900	20.1	26.1	437,600	9.8	24
51.3	860,000	8.5	330.9	5,547,600	54.6	39.6	663,800	6.5	25
....	.....	....	2.9	48,600	100.0	....	.....	....	26
....	.....	....	....	.....	....	0.5	8,400	100.0	27
....	.....	....	....	.....	....	8.3	139,100	100.0	28
....	.....	....	....	.....	....	7.0	117,400	100.0	29
....	.....	....	....	.....	....	0.6	10,100	100.0	30
....	.....	....	2.9	48,600	15.0	16.4	275,000	85.0	31
51.3	860,000	8.2	333.8	5,596,200	53.3	56.0	938,800	9.0	32
....	.....	....	3.3	55,300	100.0	....	.....	....	33
....	.....	....	13.4	224,600	100.0	....	.....	....	34
5.3	88,900	32.1	11.2	187,800	67.9	....	.....	....	35
....	.....	....	....	.....	....	0.2	3,400	100.0	36
....	.....	....	1.0	16,800	100.0	....	.....	....	37
424.8	7,121,800	31.4	550.2	9,224,100	40.7	190.4	3,192,100	14.1	38
38.3	642,200	13.7	58.9	987,500	21.0	26.3	441,000	9.4	39
424.8	7,121,800	60.3	162.0	2,715,900	23.0	117.4	1,968,200	18.7	40
231.6	3,882,600	18.3	237.2	3,976,700	18.8	704.8	11,816,100	55.7	41
+ 193.2	+ 3,239,200	+ 13.1	+ 313.0	+ 5,247,400	+ 21.9	- 514.4	- 8,624,000	- 41.8	42
+ 83.4	+ 83.4	+ 132.0	+ 132.0	- 73.0	- 73.0	43
									44
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U. S. and British Tankers Predominant in World Fleet

WORLD TANKSHIP FLEET, BY FLAG, AS OF SEPTEMBER 1, 1945

(Ocean-going Vessels of 2,000 Gross Tons and Over)

Flag	Total Actual			Total All Oil Companies			U. S. Oil Companies			Non-oil Companies			Governments		
	Num- ber	Dead- weight Tons	Average Speed (Knots)	Num- ber	Dead- weight Tons	Average Speed (Knots)	Num- ber	Dead- weight Tons	Average Speed (Knots)	Num- ber	Dead- weight Tons	Average Speed (Knots)	Num- ber	Dead- weight Tons	Average Speed (Knots)
Western Hemisphere:															
United States	907	13,379,143	13.74	208	2,923,675	12.85	208	2,923,675	12.85	53	727,544	13.38	646	9,727,924	14.03
Panama	72	819,890	11.09	53	622,200	11.11	53	622,200	11.11	12	119,901	11.07	7	77,789	10.93
Other Western Hemisphere:															
Argentina	24	211,218	11.36	5	30,837	9.34	5	30,837	9.35	5	55,810	11.73	14	124,541	11.69
Brazil	6	50,558	9.89	1	8,387	10.00	...	...	...	5	42,171	9.86	...	9,662	...
Chile	2	9,662	11.00	...	...	...	...	...	...	...	...	...	2	...	...
Honduras	1	11,135	12.00	...	...	...	...	...	...	1	11,135	12.00	...	...	...
Mexico	10	93,289	10.83	...	...	...	...	...	...	...	...	...	10	93,289	12.00
Peru	1	4,300	10.00	...	...	...	...	...	...	...	...	...	1	4,300	10.00
Philippine Islands	1	9,112	12.50	...	...	...	...	...	...	1	9,112	12.50	...	...	...
Uruguay	1	10,700	11.50	...	...	...	...	...	...	1	10,700	11.50	...	...	...
Venezuela	22	87,100	9.97	21	83,960	9.98	21	83,960	9.98	1	3,140	9.50	...	...	...
Total other Western Hemisphere	68	487,074	10.84	27	123,214	9.82	26	114,797	9.81	14	132,068	11.14	27	231,792	11.75
Total Western Hemisphere	1,047	14,686,107	13.50	288	3,669,089	12.45	287	3,660,672	12.46	79	979,513	12.79	680	10,037,505	13.95
Europe:															
Great Britain ²	399	4,090,209	11.34	205	2,181,200	11.16	53	514,644	11.05	45	483,647	11.12	149	1,425,362	11.69
Norway	165	2,115,271	12.14	10	116,920	11.87	10	116,920	11.87	140	1,770,989	12.01	15	227,362	13.30
Netherlands	65	451,266	11.03	61	399,926	10.80	15	161,555	11.68	3	35,040	12.00	1	16,300	14.50
France	15	162,106	11.42	8	86,106	11.43	2	18,765	10.50	1	11,548	11.00	6	62,452	11.49
U.S.S.R.	22	246,411	12.11	...	...	...	...	...	...	...	...	...	22	246,411	12.11
Germany	40	488,723	13.20	2	26,750	12.28	1	14,750	12.50	21	262,585	12.05	17	199,388	12.38
Italy	22	179,123	10.45	1	12,710	11.50	2	21,675	10.67	13	100,071	10.24	8	66,342	10.57
Sweden	37	495,234	12.98	...	...	...	...	...	...	36	482,234	12.97	1	13,000	13.50
Other Europe:															
Belgium	4	41,835	11.31	2	22,590	11.40	2	22,590	11.40	2	19,245	11.19	...	...	...
Denmark	4	60,410	12.74	1	14,000	13.00	1	14,000	13.00	3	46,410	12.67	...	...	...
Greece	4	27,324	9.90	...	...	...	...	...	...	3	18,999	9.86	1	8,325	10.00
Portugal	2	13,023	10.88	...	...	...	...	...	...	...	...	...	2	13,023	10.88
Spain	20	150,844	11.15	...	...	...	...	...	...	3	20,865	9.74	17	129,979	11.38
Turkey	1	9,000	14.00	...	...	...	...	...	...	...	...	...	1	9,000	14.00
Yugoslavia	1	3,300	10.00	...	...	...	...	...	...	...	...	...	1	3,300	10.00
Total other Europe	36	305,736	11.43	3	36,590	12.01	3	36,590	12.01	11	105,519	11.31	22	163,627	11.39
Total Europe	801	8,535,079	11.68	290	2,862,202	11.17	86	884,899	11.31	270	3,251,633	11.94	241	2,420,244	11.91
Japan	63	696,133	13.73	5	56,668	12.09	5	56,668	12.09	38	441,152	14.37	20	198,313	12.78
WORLD total	1,911	23,916,319	12.85	583	6,587,959	11.89	378	4,602,239	12.23	387	4,672,298	12.35	941	12,656,062	13.54

² Includes United Kingdom, Canada, India, Australia, and New Zealand.

Authority: Statistical Research Division, Sun Oil Co

Three-fourths of Postwar World Tanker Fleet Owned by Americans

WORLD TANKSHIP FLEET EXPRESSED AS T2-SE-A1 EQUIVALENTS, BY FLAG, AS OF SEPTEMBER 1, 1945

(Ocean-going Vessels of 2,000 Gross Tons and Over)

Flag	Total T2-SE-A1 Equivalent			Total All Oil Companies			U. S. Oil Companies			Non-oil Companies			Governments		
	Num-ber	Dead-weight Tons	Per Cent of Flag Capacity	Num-ber	Dead-weight Tons	Per Cent of Flag Capacity	Num-ber	Dead-weight Tons	Per Cent of Flag Capacity	Num-ber	Dead-weight Tons	Per Cent of Flag Capacity	Num-ber	Dead-weight Tons	Per Cent of Flag Capacity
Western Hemisphere:															
United States:															
Panama	756.2	12,677,700	100.0	154.6	2,591,900	20.4	154.6	2,591,900	20.4	40.0	670,600	5.3	561.6	9,415,200	74.3
Other Western Hemispheres:	37.4	627,000	100.0	28.4	476,100	75.9	28.4	476,100	75.9	5.5	92,200	14.7	3.5	58,700	9.4
Argentina	9.9	168,000	100.0	1.2	20,100	12.1	1.2	20,100	12.1	2.7	45,300	27.3	6.0	100,600	60.6
Brazil	2.1	38,200	100.0	0.4	6,700	19.0	.....	.....	.....	1.7	28,500	81.0	.....	6,700	100.0
Chile	0.4	8,700	100.0	.....	.....	.....	.....	.....	.....	0.5	8,400	100.0	.....	.....	.....
Honduras	0.5	8,700	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68,700	100.0
Mexico	4.1	68,700	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,400	100.0
Peru	0.2	3,400	100.0	.....	.....	.....	.....	.....	.....	0.5	8,400	100.0	.....	.....	.....
Philippine Islands	0.5	8,400	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Uruguay	0.2	8,400	100.0	.....	.....	.....	.....	.....	.....	0.1	1,700	2.9	.....	.....	.....
Venezuela	3.5	58,600	100.0	3.4	56,900	97.1	3.4	56,900	97.1	.....	.....	.....	.....	.....	.....
Total other Western Hemisphere	21.7	363,800	100.0	5.0	83,700	23.0	4.6	77,000	21.2	6.0	100,700	27.7	10.7	179,400	49.3
Total Western Hemisphere	815.3	13,668,500	100.0	188.0	3,151,700	23.1	187.6	3,145,000	23.0	51.5	863,500	6.3	575.8	9,853,300	70.6
Europe:															
Great Britain ¹	190.8	3,198,800	100.0	100.2	1,679,900	52.5	23.4	392,300	12.3	22.1	370,500	11.6	68.5	1,148,400	35.9
Norway	105.7	1,773,100	100.0	5.7	95,600	5.4	5.7	95,600	5.4	87.5	1,466,900	82.8	12.5	209,600	11.8
Netherlands	29.5	343,700	100.0	17.8	238,400	86.8	7.8	130,800	38.1	1.7	28,500	8.3	1.0	16,800	4.9
France	7.6	127,400	100.0	4.1	68,700	53.9	0.8	13,400	10.5	0.5	8,400	6.6	3.0	50,300	39.5
U.S.S.R.	12.3	206,200	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.3	206,200	100.0
Germany	24.5	410,700	100.0	1.4	23,500	5.7	0.8	13,400	3.3	13.0	217,900	53.1	10.1	169,300	41.2
Italy	7.7	129,100	100.0	0.6	10,100	7.8	1.0	16,800	13.0	4.2	70,400	54.5	2.9	48,600	37.7
Sweden	26.4	442,600	100.0	.....	.....	.....	.....	.....	.....	25.7	430,900	97.4	0.7	11,700	2.6
Other Europe:															
Belgium	1.9	31,800	100.0	1.1	18,400	57.9	0.9	15,400	47.2	0.8	13,400	42.1	.....	.....	.....
Denmark	3.2	53,600	100.0	0.8	13,400	25.0	0.8	13,400	25.0	2.4	40,200	75.0	.....	.....	.....
Greece	1.1	18,400	100.0	.....	.....	.....	.....	.....	.....	0.8	13,400	72.8	0.3	5,000	27.2
Portugal	0.6	10,100	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.6	10,100	100.0
Spain	7.0	117,400	100.0	.....	.....	.....	.....	.....	.....	0.9	15,100	12.9	6.1	102,300	87.1
Turkey	0.5	8,400	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.5	8,400	100.0
Yugoslavia	0.1	1,700	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.1	1,700	100.0
Total other Europe	14.4	241,400	100.0	1.9	31,800	13.2	1.7	28,400	11.8	4.9	82,100	34.0	7.6	127,500	52.8
Total Europe	409.9	6,872,000	100.0	131.7	2,208,000	32.1	41.2	690,700	10.1	159.6	2,675,600	38.9	118.6	1,988,400	29.0
Japan	39.3	659,900	100.0	2.8	46,900	7.1	2.8	46,900	7.1	26.1	437,600	66.4	10.4	174,400	26.5
WORLD total	1,264.5	21,199,400	100.0	322.5	5,406,600	25.5	231.6	3,882,600	18.3	237.2	3,976,700	18.8	704.8	11,816,100	55.7

¹ Includes United Kingdom, Canada, India, Australia, and New Zealand.

Authority: Statistical Research Division, Sun Oil Co

Average U. S. Tanker Speed Up 31 Per Cent in 10 Years

U. S. TANKSHIP FLEET (ACTUAL AND T2-SE-A1 EQUIVALENTS), BY YEARS, 1900-1949

(Ocean-going Vessels of 2,000 Gross Tons and Over)

Year (As of January 1)	Actual				T2-SE-A1 Equivalents		
	Number	Gross Tons	Deadweight Tons	Average Speed (Knots)	Number	Deadweight Tons	Per Cent U. S. of World Tonnage
September 1, 1949..	578	5,439,009	8,639,800	14.4	513.2	8,603,800	38.0
January 1, 1949 ...	593	5,656,497	9,016,200	14.1	524.2	8,788,200	41.1
April 1, 1948.....	621	5,878,786	9,395,500	14.0	541.9	9,085,000	42.9
October 1, 1947....	744	6,995,223	11,171,400	14.07	646.4	10,836,900	50.8
January 1, 1947....	951	8,784,894	14,035,000	13.86	800.5	13,419,800	62.3
September 1, 1945..	907	8,379,542	13,379,143	13.74	756.2	12,677,700	59.8
1945	780	7,084,022	11,283,652	13.59	630.9	10,577,000	55.9
1944	556	4,784,954	7,608,833	13.12	410.6	6,883,700	45.2
1943	366	2,901,748	4,640,027	12.23	233.5	3,914,600	31.2
1942	389	2,931,193	4,680,863	11.31	217.8	3,651,400	27.4
1941	379	2,824,128	4,498,684	11.13	205.9	3,451,900	25.8
1940	383	2,824,160	4,493,493	10.96	202.6	3,396,600	25.1
1939	393	2,862,119	4,559,148	10.70	200.7	3,364,700	26.7
1938	382	2,745,227	4,364,459	10.55	189.5	3,177,000	27.4
1937	370	2,632,031	4,179,667	10.43	179.4	3,007,600	28.0
1936	371	2,602,600	4,125,181	10.37	176.0	2,950,600	29.1
1935	374	2,612,791	4,139,658	10.36	176.4	2,957,300	30.2
1934	377	2,632,824	4,169,636	10.35	177.6	2,977,500	30.5
1933	380	2,642,378	4,180,246	10.35	178.0	2,984,200	30.7
1932	383	2,659,180	4,204,776	10.35	179.0	3,000,900	31.4
1931	379	2,607,079	4,116,594	10.32	174.7	2,928,800	33.8
1930	371	2,517,126	3,964,648	10.27	167.4	2,806,500	35.8
1929	373	2,509,047	3,948,967	10.26	166.6	2,793,000	37.6
1928	375	2,480,994	3,893,922	10.23	163.9	2,747,800	41.3
1927	381	2,469,530	3,872,237	10.21	162.7	2,727,700	43.8
1926	382	2,461,004	3,855,763	10.21	161.9	2,714,300	45.6
1925	394	2,522,105	3,940,937	10.23	165.9	2,781,300	48.7
1924	400	2,553,929	3,984,812	10.23	167.7	2,811,500	49.8
1923	401	2,556,291	3,988,413	10.22	167.7	2,811,500	51.9
1922	399	2,532,602	3,953,335	10.22	166.1	2,784,700	56.4
1921	314	1,878,026	2,939,758	10.14	122.6	2,055,400	54.4
1920	227	1,316,077	2,071,397	10.09	86.0	1,441,800	47.2
1919	176	983,627	1,556,632	10.02	64.1	1,074,600	42.5
1918	145	774,551	1,221,897	9.89	49.7	833,200	38.8
1917	123	606,903	945,024	9.63	37.4	627,000	34.8
1916	97	438,272	679,704	9.35	26.1	437,600	27.1
1915	61	242,030	367,115	9.81	14.8	248,100	15.6
1914	53	197,218	297,503	9.72	11.9	199,500	15.5
1913	43	155,122	233,247	9.67	9.3	155,900	15.9
1912	37	130,708	197,497	9.55	7.8	130,800	15.6
1911	33	118,514	178,642	9.56	7.0	117,400	14.1
1910	31	108,865	164,252	9.53	6.4	107,300	13.3
1909	31	108,865	164,252	9.53	6.4	107,300	14.5
1908	28	92,629	139,322	9.45	5.4	90,500	14.6
1907	26	82,359	123,898	9.50	4.8	80,500	13.4
1906	25	77,749	117,398	9.50	4.6	77,100	13.3
1905	25	77,749	117,398	9.50	4.6	77,100	13.5
1904	19	58,014	87,625	9.47	3.4	57,000	10.3
1903	12	34,851	52,692	9.42	2.0	33,500	7.3
1902	8	21,225	31,795	9.30	1.2	20,100	4.9
1901	5	12,434	18,275	9.62	0.7	11,700	3.2
1900	3	7,611	10,350	9.67	0.4	6,700	2.0

Authority: Statistical Research Division, Sun Oil Co.

More Than Half of 1949 World Tankship Fleet Built Since 1942

WORLD TANKSHIP FLEET (AS OF SEPTEMBER 1, 1949) BY YEAR OF CONSTRUCTION

Year of Construction	United States			British Empire			Norway			Panama			All Other Flags			Total World Tankers		
	Number	Dead-weight Tons	Year of Construction	Number	Dead-weight Tons	Year of Construction	Number	Dead-weight Tons	Year of Construction	Number	Dead-weight Tons	Year of Construction	Number	Dead-weight Tons	Year of Construction	Number	Dead-weight Tons	Year of Construction
1949	2	53,400	1949	16	218,300	1949	17	251,700	1949	4	108,500	1949	22	401,300	1949	61	1,033,200	1949
1948	1	12,900	1948	19	230,600	1948	19	288,300	1948	1	9,000	1948	9	152,400	1948	49	693,200	1948
1947	1	12,900	1947	10	112,500	1947	7	124,600	1947	...	...	1947	15	197,400	1947	32	434,500	1947
1946	...	...	1946	36	432,700	1946	3	29,100	1946	...	...	1946	15	161,200	1946	63	744,000	1946
1945	103	1,500,200	1945	42	571,600	1945	22	342,300	1945	48	668,000	1945	40	426,900	1945	255	3,509,000	1945
1944	141	2,245,700	1944	71	952,100	1944	12	164,900	1944	26	426,100	1944	45	627,700	1944	295	4,416,500	1944
1943	164	2,424,300	1943	25	296,000	1943	7	96,600	1943	19	271,200	1943	41	509,000	1943	256	3,597,100	1943
1942	48	779,000	1942	29	352,600	1942	5	66,700	1942	...	...	1942	7	78,900	1942	89	1,277,200	1942
1941	17	286,800	1941	21	224,400	1941	3	41,200	1941	4	58,700	1941	3	37,500	1941	48	618,600	1941
1940	12	187,800	1940	3	40,700	1940	6	88,700	1940	...	...	1940	8	105,700	1940	29	422,900	1940
1939	6	101,700	1939	15	186,300	1939	16	225,300	1939	2	33,100	1939	17	184,700	1939	56	731,100	1939
1938	8	112,800	1938	16	186,500	1938	5	71,900	1938	2	28,600	1938	18	181,100	1938	49	580,900	1938
1937	12	155,300	1937	21	264,600	1937	13	196,300	1937	3	28,800	1937	8	73,700	1937	57	718,700	1937
1936	6	83,200	1936	14	173,500	1936	12	86,500	1936	2	26,600	1936	9	91,600	1936	37	441,400	1936
1935	2	29,800	1935	11	127,600	1935	12	163,300	1935	...	...	1935	6	55,700	1935	31	376,400	1935
1934	...	...	1934	1	5,400	1934	3	34,900	1934	...	...	1934	6	59,800	1934	10	100,100	1934
1933	...	...	1933	3	54,000	1933	2	23,800	1933	1	18,000	1933	1	18,000	1933	17	113,800	1933
1932	...	...	1932	2	28,400	1932	3	29,000	1932	1	18,100	1932	10	116,100	1932	16	185,600	1932
1931	3	44,600	1931	10	111,500	1931	20	242,400	1931	3	46,200	1931	14	146,100	1931	50	590,700	1931
1930	6	82,500	1930	5	61,800	1930	20	240,600	1930	7	112,500	1930	15	163,100	1930	53	660,500	1930
1929	...	...	1929	8	90,100	1929	8	75,300	1929	3	43,500	1929	13	129,300	1929	32	338,200	1929
1928	4	63,800	1928	15	135,700	1928	9	105,600	1928	4	41,600	1928	24	186,200	1928	56	532,900	1928
1927	2	34,500	1927	17	157,000	1927	5	49,900	1927	1	13,600	1927	25	148,500	1927	50	403,500	1927
1926	1	14,900	1926	4	37,900	1926	...	...	1926	1	13,100	1926	11	64,700	1926	17	130,600	1926
1925	...	...	1925	5	23,600	1925	2	25,200	1925	1	7,900	1925	7	29,800	1925	15	86,500	1925
1924	1	10,500	1924	3	31,200	1924	...	...	1924	...	...	1924	10	49,400	1924	14	91,100	1924
1923	...	...	1923	4	41,800	1923	...	...	1923	1	14,400	1923	8	60,300	1923	13	116,500	1923
1922	1	14,200	1922	8	79,200	1922	1	11,000	1922	2	23,800	1922	9	82,700	1922	21	210,900	1922
1921	10	110,100	1921	7	86,300	1921	3	22,000	1921	10	122,500	1921	13	111,000	1921	43	451,900	1921
1920	9	96,400	1920	5	38,900	1920	1	4,800	1920	10	100,300	1920	10	90,000	1920	35	330,400	1920
1919	7	70,600	1919	4	39,700	1919	...	...	1919	5	54,400	1919	3	33,300	1919	19	198,000	1919
1918	...	...	1918	6	44,800	1918	2	23,500	1918	1	10,800	1918	7	62,700	1918	16	141,800	1918
1917	2	24,700	1917	9	41,700	1917	...	...	1917	3	18,500	1917	3	20,500	1917	17	105,400	1917
1916	...	...	1916	1	8,500	1916	...	...	1916	4	38,400	1916	8	72,700	1916	13	119,600	1916
1915	1	9,100	1915	...	...	1915	...	...	1915	...	...	1915	...	...	1915	1	9,100	1915

WORLD TANKSHIP FLEET (AS OF SEPTEMBER 1, 1949) BY YEAR OF CONSTRUCTION—Continued

(Ocean-going Vessels of 2,000 Gross Tons and Over)

Year of Construction	United States		British Empire		Norway		Panama		All Other Flags		Total World Tankers	
	Number	Dead-weight Tons	Number	Dead-weight Tons	Number	Dead-weight Tons	Number	Dead-weight Tons	Number	Dead-weight Tons	Number	Dead-weight Tons
1914	6	50,300	1	16,100	2	24,500	6	51,100	15	142,000
1913	3	28,400	2	28,300	1	7,900	7	60,200	13	124,800
1912	2	10,600	...	...	1	5,100	3	26,000	6	41,700
1911	1	7,300	1	7,300
1910	1	8,100	1	8,100
1909
1908	1	6,600	1	6,600
1907
1906	1	7,600	...	...	...	...	...	...	1	7,600
1905	1	11,500	...	...	...	...	1	11,500
1904
1903	1	6,800	...	...	1	6,800
1902	13,500	...	...	...	...	3	23,000
1901	1	4,000	...	...	...	...	1	5,500	1	4,200
1900
1899	1	5,700	1	5,700
1898
1897	1	8,600	...	...	...	...	2	14,200	3	22,800
1896
1895
1894
1893	1	4,000	...	...	1	4,000
1892	1	4,500	...	...	1	4,500
Tanker total	578	8,639,800	480	5,577,000	237	3,194,800	176	2,409,000	484	5,111,800	1,955	24,932,400

Authority Statistical Research Division, Sun Oil Co

U. S. Oil Companies Own 55 Per Cent of Total U. S. Tankship Tonnage

U. S. TANKSHIP FLEET (AS OF SEPTEMBER 1, 1949) BY YEAR OF CONSTRUCTION AND BY TYPE OF OWNERSHIP

(Ocean-going Vessels of 2,000 Gross Tons and Over)

Year of Construction	U. S. Oil-Company		U. S. Non-oil-Company		Total U. S. Privately-owned		U. S. Military		U. S. Maritime Commission		Total U. S. Tankers	
	Number	Deadweight Tons	Number	Deadweight Tons	Number	Deadweight Tons	Number	Deadweight Tons	Number	Deadweight Tons	Number	Deadweight Tons
1949.....	2	53,400	...	...	2	53,400	...	...	...	...	2	53,400
1948.....	1	12,900	...	...	1	12,900	...	...	...	...	1	12,900
1947.....	...	...	...	...	...	...	...	...	...	...	...	...
1946.....	2	25,400	...	...	2	25,400	...	...	...	...	...	...
1945.....	57	896,300	20	352,900	77	1,249,200	22	234,200	4	16,800	103	1,500,200
1944.....	65	1,068,000	30	512,200	95	1,580,200	43	633,500	3	32,000	141	2,245,700
1943.....	62	985,300	71	1,006,700	133	1,992,000	23	347,200	8	85,100	164	2,424,300
1942.....	31	500,300	7	115,100	38	615,400	10	163,600	...	...	48	779,000
1941.....	13	194,800	...	...	13	194,800	3	49,200	1	12,800	17	256,800
1940.....	8	115,000	...	...	8	115,000	4	72,800	...	...	12	187,800
1939.....	4	65,300	...	...	4	65,300	2	36,400	...	...	6	101,700
1938.....	7	99,800	1	13,000	8	112,800	...	...	...	...	8	112,800
1937.....	12	155,300	...	...	12	155,300	...	...	...	...	12	155,300
1936.....	5	67,900	1	15,300	6	83,200	...	...	...	...	6	83,200
1935.....	2	29,800	...	...	2	29,800	...	...	...	...	2	29,800
1934.....	...	...	...	...	...	...	...	...	...	...	...	...
1933.....	...	...	...	...	...	...	...	...	...	...	...	...
1932.....	3	44,600	...	...	3	44,600	...	...	...	...	3	44,600
1931.....	5	73,200	1	9,300	6	82,500	...	...	...	...	6	82,500
1930.....	...	...	...	...	...	...	...	...	...	...	...	...
1929.....	...	...	...	...	...	...	...	...	...	...	...	...
1928.....	4	63,800	...	...	4	63,800	...	...	...	...	4	63,800
1927.....	2	34,500	...	...	2	34,500	...	...	...	...	2	34,500
1926.....	1	14,900	...	...	1	14,900	...	...	...	...	1	14,900
1925.....	...	...	...	...	...	...	...	...	...	...	...	...
1924.....	1	10,500	...	...	1	10,500	...	...	...	...	1	10,500
1923.....	...	...	...	...	...	...	...	...	...	...	...	...
1922.....	1	14,200	...	...	1	14,200	...	...	...	...	1	14,200
1921.....	9	98,300	...	...	9	98,300	...	...	1	11,800	10	110,100
1920.....	6	60,600	3	35,600	9	96,400	...	...	...	...	9	96,400
1919.....	6	58,000	1	12,600	7	70,600	...	...	...	...	7	70,600
1918.....	...	...	...	...	...	...	...	...	...	...	...	...
1917.....	2	24,700	...	...	2	24,700	...	...	...	...	2	24,700
1916.....	...	...	...	...	...	...	...	...	...	...	...	...
1915.....	1	9,100	...	...	1	9,100	...	...	...	...	1	9,100
Tanker total.....	312	4,776,100	135	2,072,700	447	6,848,800	114	1,632,500	17	158,500	578	8,639,800

Authority: Statistical Research Division, Sun Oil Co

TANKER DISTANCES, IN NAUTICAL MILES, BETWEEN REPRESENTATIVE WORLD PETROLEUM SHIPPING POINTS AND CONSUMING CENTERS ²

Consuming Centers	Shipping Points								
	Houston	Los Angeles	Aruba	Mara- caibo	New York	Abadan	Bahrein Island	Haifa	Singa- pore
London	5,135	7,705 ³	4,250 ⁴	4,420 ⁴	3,365	6,555 ⁵	6,355 ⁵	3,320	8,245 ⁵
Le Havre	4,985	7,555 ³	4,100 ⁴	4,270 ⁴	3,215	6,390 ⁵	6,190 ⁵	3,155	8,095 ⁵
Stockholm	5,860 ⁶	8,520 ^{3,7}	5,065 ⁷	5,345 ⁶	4,180 ⁷	7,370 ^{5,7}	7,170 ^{5,7}	4,135 ⁷	9,060 ⁵
Hamburg	5,425	7,995 ⁵	4,540 ⁴	4,710	3,655	6,845 ⁵	6,645 ⁵	3,610	8,535 ⁵
Lisbon	4,690	7,105 ³	3,645 ⁴	3,815	2,970	5,535 ⁵	5,335 ⁵	2,300	7,225 ⁵
Marseille	5,480	7,975 ³	4,510 ⁴	4,680	3,900	4,830 ⁵	4,630 ⁵	1,590	6,520 ⁵
Naples	5,770	8,265 ³	4,800 ⁴	4,970 ⁴	4,190	4,430 ⁵	4,230 ⁵	1,185	6,120 ⁵
Port Said	6,705	9,200 ³	5,735 ⁴	5,905	5,125	3,320 ⁵	3,120 ⁵	170	5,010 ⁵
Calcutta	11,385 ⁵	9,300	10,425 ⁵	10,595 ⁵	9,815 ⁵	3,540	3,335	4,860 ⁵	1,650
Hong Kong....	10,775 ³	6,355	9,870 ³	9,840 ³	11,210 ³	5,320	5,120	6,640 ⁵	1,460
Yokohama	9,260 ³	4,840	8,355 ³	8,345 ³	9,700 ³	6,750	6,550	8,070 ⁵	2,890
New York	1,910	4,925 ³	1,760	1,890	...	8,445 ⁵	8,245 ⁵	5,210	12,505 ⁵
Melbourne	9,495 ³	7,005	8,595 ³	8,565 ³	9,930 ³	6,975	6,775	8,005 ⁵	3,845

² Shortest distances are shown in all cases. In some cases, longer distances would enable shipper to avoid canal tolls. Singapore is used as a representative shipping point for East Indies petroleum.

³ Via Panama Canal.

⁴ Via Mona Pass.

⁵ Via Suez Canal.

⁶ Via Cape Wrath.

⁷ Via Kiel Canal.

Authority: *The Oil and Gas Journal.*

MOVEMENT OF PETROLEUM PRODUCTS IN U. S. WATER-BORNE TRADE, BY YEARS, 1931-1949

(Thousands of Short Tons)

Year	Foreign Trade									
	Imports					Exports				
	Crude Oil and Products					Crude Oil and Products				
	Atlantic, Gulf, and Pacific Coasts	Great Lakes	Inland Waterways	Total Crude Oil and Products	All Other Imports	Atlantic, Gulf, and Pacific Coasts	Great Lakes	Inland Waterways	Total Crude Oil and Products	All Other Exports
1939	40,283	38	(2)	40,321	41,671	10,850	1,238	(2)	11,888	71,478
1940	32,317	37	(2)	32,354	39,943	12,773	1,385	(3)	14,558	68,284
1941	25,206	17	(2)	25,223	36,940	15,578	1,781	(3)	17,358	45,985
1942	20,421	...	(2)	20,421	31,690	20,705	2,450	(3)	23,155	39,221
1943	18,101	23	(2)	18,124	32,913	42,154	2,041	(3)	44,195	69,718
1944	15,158	24	(2)	15,182	32,314	35,926	2,030	(3)	37,956	88,003
1945	11,483	41	(2)	11,524	28,673	25,597	2,160	(3)	27,757	99,221
1946	6,729	...	(2)	6,729	23,733	20,701	2,073	(3)	22,774	120,952
1947	17,140	5	(2)	17,145	42,099	13,007	2,070	(3)	15,077	79,746
1948	11,785	...	(2)	11,785	33,072	18,160	1,563	(3)	19,723	31,508
1949	9,512	38	430	9,980	32,815	17,434	579	9,588	27,601	75,086
1950	8,368	34	478	8,890	30,116	27,464	269	1,444	29,177	67,125
1951	9,223	25	213	9,461	38,405	23,376	364	1,314	25,054	79,898
1952	8,233	58	843	9,076	33,419	16,370	198	1,411	17,979	34,515
1953	9,630	...	669	10,299	28,360	14,135	152	1,304	15,591	29,338
1954	8,047	2	...	8,049	26,791	13,574	42	37	13,653	27,390
1955	7,687	30	...	7,697	23,008	13,079	320	154	14,453	29,406
1956	11,151	66	142	11,359	21,556	12,875	215	51	14,453	24,309
1957	12,087	15	34	12,136	29,255	15,409	167	...	15,576	24,373
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MOVEMENT OF PETROLEUM PRODUCTS IN U. S. WATER-BORNE TRADE, BY YEARS, 1931-1949—Continued

(Thousands of Short Tons)

Year	Domestic Trade										All Water-borne Trade, Foreign and Domestic		
	Atlantic, Gulf, and Pacific Coasts					Inland Waters, Including Great Lakes					Total Domestic		
	Coastwise ¹					All Other Domestic Trade					All Other Domestic Trade		
	Crude Oil and Products	All Other Domestic Trade	Crude Oil and Products	All Other Domestic Trade	Crude Oil and Products	Crude Oil and Products	All Other Domestic Trade	Crude Oil and Products	All Other Domestic Trade	Crude Oil and Products	Crude Oil and Products	Foreign and Domestic Trade	Total Trade
1949 ¹	126,801	34,570	33,144	69,494	69,112	241,566	241,566	229,057	345,630	281,266	458,779	740,045	
1948	134,312	39,769	36,633	77,326	66,718	275,470	275,470	237,663	392,565	284,175	509,025	793,200	
1947	117,994	35,104	33,340	79,326	56,982	255,812	255,812	208,316	370,245	250,898	515,919	766,817	
1946	101,887	35,716	28,127	63,098	53,545	185,782	185,782	183,559	284,596	227,135	389,897	617,032	
1945	62,797	27,895	35,583	62,239	55,248	203,050	203,050	153,628	293,184	215,947	402,959	618,906	
1944	41,286	29,498	35,089	64,303	51,276	230,740	230,740	127,651	324,541	180,789	425,139	605,928	
1943	40,245	19,545	31,403	68,619	64,441	229,045	229,045	136,089	317,209	175,370	405,212	580,581	
1942	45,863	28,114	26,257	66,431	53,324	270,690	270,690	125,444	365,235	154,947	434,953	589,900	
1941	101,669	54,788	25,130	68,240	34,144	249,577	249,577	160,343	372,605	192,565	461,335	653,900	
1940	108,714	47,215	25,462	67,226	33,393	213,636	213,636	168,569	328,077	200,077	407,823	607,900	
1939	106,791	54,129	22,718	61,111	17,760	194,254	194,254	147,239	309,494	184,820	384,580	569,400	
1938	94,932	45,546	19,861	52,187	24,251	126,941	126,941	137,044	224,674	175,101	291,799	466,900	
1937	111,868	37,549	21,823	64,892	18,561	213,994	213,994	152,252	316,435	186,767	396,333	583,100	
1936	85,806	46,561	21,395	62,745	21,802	197,287	197,287	129,003	306,593	156,493	369,349	525,842	
1935	77,538	38,104	21,188	53,678	18,286	163,097	163,097	116,812	254,879	142,702	310,629	453,331	
1934	68,867	48,373	19,906	39,295	24,283	139,686	139,686	111,056	225,354	132,758	281,551	414,309	
1933	65,863	44,483	16,088	37,417	21,719	139,067	139,067	103,670	220,967	125,820	268,284	394,104	
1932	49,133	45,321	13,151	39,979	19,448	105,047	105,047	81,712	190,347	106,212	236,276	342,488	
1931	59,024	54,925	16,944	47,617	19,000	158,612	158,612	94,968	261,154	122,680	322,968	445,648	

¹ Preliminary.

² Included under Atlantic, Gulf, and Pacific Coasts.

³ Includes traffic at ports on the Great Lakes.

Authority: Board of Engineers for Rivers and Harbors

Steady Increase in Petroleum Movement on U. S. Waterways

REPORTED TONNAGE OF PETROLEUM TRANSPORTED BY INLAND AND COASTAL WATERWAYS AND CARRIER REVENUE, BY AREAS AND BY YEARS, 1942-1948*

Product	Atlantic and Gulf Coasts			Great Lakes			Mississippi River and Tributaries			Pacific Coast			Intercoastal			All Navigable Areas		
	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb.)	Gross Revenue (Dollars)
1946:																		
Crude oil	1,595,838	1,122,115	.....	.....	3,465,940	4,111,006	.....	.....	954,285	1,484,112	.....	.....	.....	.....	5,061,778	5,233,121	.....	.....
Gasoline	170,850	206,185	.....	.....	3,090,383	5,564,857	.....	.....	255,636	184,367	.....	.....	.....	.....	4,315,518	7,255,154	.....	.....
Fuel oil, road oil, and residual oils	130,044	159,939	.....	.....	1,451,428	2,787,935	.....	.....	679	1,982	.....	.....	.....	.....	1,837,108	3,132,241	.....	.....
Lubricating oils and greases	226,409	600,435	.....	.....	113,005	338,585	.....	.....	992	697	.....	.....	.....	.....	340,183	941,002	.....	.....
Asphalt	71,189	160,129	.....	.....	13,641	16,731	.....	.....	240,765	316,145	.....	.....	.....	.....	85,822	177,557	.....	.....
Other refined petroleum products	2,686,256	2,330,167	1,621	4,146	438,360	954,520	.....	.....	1,452,357	1,987,303	.....	.....	.....	.....	3,379,996	3,798,962	.....	.....
Total	4,980,876	4,578,970	1,621	4,146	8,572,757	13,773,634	.....	.....	1,452,357	1,987,303	.....	.....	.....	.....	12,994	193,984	15,020,405	20,538,037
1947:																		
Crude oil	3,250	974	.....	.....	3,476,776	2,829,815	.....	.....	.....	1,376,157	.....	.....	.....	.....	3,480,026	2,830,789	.....	.....
Gasoline	324,812	215,177	.....	.....	2,986,413	4,572,089	.....	.....	929,530	1,732,884	.....	.....	.....	.....	4,240,755	6,163,423	.....	.....
Fuel oil, road oil, and residual oils	270,294	1,677,168	20	12	1,014,759	1,708,032	.....	.....	252,845	1,376,157	.....	.....	.....	.....	3,976,918	3,558,496	.....	.....
Lubricating oils and greases	258,430	553,331	890	2,142	89,182	281,406	.....	.....	791	4,051	.....	.....	.....	.....	359,727	973,856	.....	.....
Asphalt	72,560	178,326	219	144	8,316	19,967	.....	.....	8,609	8,251	.....	.....	.....	.....	89,704	204,888	.....	.....
Other refined petroleum products	184,902	341,960	496	304	674,067	1,488,850	.....	.....	195,670	174,242	.....	.....	.....	.....	1,055,586	2,009,821	.....	.....
Total	3,553,248	2,965,136	1,625	2,602	8,249,493	10,900,159	.....	.....	1,387,645	1,735,985	.....	.....	.....	.....	13,202,716	15,741,273	.....	.....
1948:																		
Crude oil	12	50	.....	.....	3,126,564	2,308,405	.....	.....	139,948	72,408	.....	.....	.....	.....	3,266,524	2,380,863	.....	.....
Gasoline	371,703	252,305	.....	.....	3,149,780	4,232,768	.....	.....	1,030,079	1,236,849	.....	.....	.....	.....	4,551,658	5,723,966	.....	.....
Fuel oil, road oil, and residual oils	1,954,477	1,266,462	.....	.....	806,935	1,279,778	.....	.....	112,802	73,264	.....	.....	.....	.....	2,874,214	2,619,604	.....	.....
Lubricating oils and greases	168,938	308,631	1,584	7,350	32,983	149,346	.....	.....	3,695	18,246	.....	.....	.....	.....	205,470	482,394	.....	.....
Asphalt	100,843	146,509	151	667	7,989	21,804	.....	.....	2,977	6,873	.....	.....	.....	.....	112,318	177,042	.....	.....
Other refined petroleum products	186,935	330,228	175	108	102,241	178,041	.....	.....	47,975	59,167	.....	.....	.....	.....	338,151	570,655	.....	.....
Total	2,780,998	2,301,265	1,916	8,169	7,226,492	8,170,142	.....	.....	1,337,476	1,468,807	.....	.....	.....	.....	11,348,335	11,954,524	.....	.....
1945:																		
Crude oil	631,792	1,146,930	.....	.....	1,273,143	2,248,886	.....	.....	202,152	94,347	.....	.....	.....	.....	1,475,285	2,343,033	.....	.....
Gasoline	1,373,711	1,373,711	147	757	4,226,369	5,219,636	.....	.....	1,094,652	1,121,241	.....	.....	.....	.....	5,852,960	10,488,564	.....	.....
Fuel oil, road oil, and residual oils	138,565	266,637	1,099	5,434	796,697	2,190,268	.....	.....	146,397	65,340	.....	.....	.....	.....	2,697,309	3,633,516	.....	.....
Lubricating oils and greases	47,176	61,151	114	288	35,359	154,468	.....	.....	2,148	5,660	.....	.....	.....	.....	177,171	434,199	.....	.....
Asphalt	188,234	290,929	256	288	335,176	627,368	.....	.....	1,033	3,766	.....	.....	.....	.....	53,789	76,021	.....	.....
Other refined petroleum products	2,759,382	3,141,058	1,616	6,737	6,678,219	13,453,122	.....	.....	1,458,473	1,330,467	.....	.....	.....	.....	535,157	986,051	.....	.....
Total	2,759,382	3,141,058	1,616	6,737	6,678,219	13,453,122	.....	.....	1,458,473	1,330,467	.....	.....	.....	.....	10,897,690	17,931,384	.....	.....

REPORTED TONNAGE OF PETROLEUM TRANSPORTED BY INLAND AND COASTAL WATERWAYS AND CARRIER REVENUE, BY AREAS AND BY YEARS, 1942-1948²—Continued

Product	Atlantic and Gulf Coasts		Great Lakes		Mississippi River and Tributaries		Pacific Coast		Intercoastal		All Navigable Areas	
	Net Tons Carried (2,000 Lb)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb)	Gross Revenue (Dollars)	Net Tons Carried (2,000 Lb)	Gross Revenue (Dollars)
1944:												
Crude oil	993,625	2,081,571	8,891	45,054	1,634,750	3,157,370	168,022	79,824	.....	.....	1,811,663	3,282,248
Gasoline	1,381,720	1,498,721	95	429	3,323,668	8,885,144	764,270	698,514	.....	.....	5,081,858	11,665,658
Fuel oil, road oil, and residual oils	103,214	174,972	.....	.....	892,592	2,589,326	287,402	115,463	.....	.....	2,861,714	4,213,510
Lubricating oils and greases	69,025	88,849	3,395	12,181	46,169	213,166	1,058	2,565	.....	.....	153,836	402,884
Asphalt	39,953	74,621	42	21	527	1,760	2,772	3,775	.....	.....	72,366	94,405
Other refined petroleum products	2,587,737	3,918,734	103	325	201,054	544,084	10,520	24,132	.....	.....	251,630	643,162
Total	.....	.....	12,526	58,010	6,098,760	15,400,850	1,234,044	924,273	.....	.....	9,933,067	20,301,867
1943:												
Crude oil	472,445	1,027,890	.....	.....	413,418	677,429	208,988	90,800	.....	.....	622,433	768,276
Gasoline	8,951	12,889	124	519	2,907,959	6,784,202	837,695	1,031,074	.....	.....	4,218,223	8,843,685
Fuel oil, road oil, and residual oils	146,579	250,873	1,980	8,116	949,841	2,329,513	139,489	38,646	.....	.....	1,098,281	2,381,048
Lubricating oils and greases	111,298	170,865	104	437	53,115	253,585	825	1,842	.....	.....	204,099	513,616
Asphalt	40,747	75,563	43	245	5,921	12,452	1,128	1,951	.....	.....	118,449	125,505
Other refined petroleum products	781,647	1,480,147	2,251	9,317	14,186	49,101	10,167	32,957	.....	.....	65,143	160,886
Total	.....	.....	.....	.....	4,344,440	10,106,282	1,198,290	1,197,270	.....	.....	6,326,628	12,793,016
1942:												
Crude oil	225,623	313,487	.....	.....	256,468	435,821	208,091	83,072	.....	.....	464,585	518,965
Gasoline	32,355	48,621	163	762	2,317,287	4,466,150	546,233	538,639	.....	.....	3,089,306	5,319,038
Fuel oil, road oil, and residual oils	48,479	98,929	3,290	13,761	691,610	1,093,977	10,146	66,128	.....	.....	134,111	1,206,728
Lubricating oils and greases	111,619	109,949	131	516	57,324	265,567	2,469	26,190	.....	.....	111,552	248,447
Asphalt	145,642	276,156	30	94	1,888	10,228	9,420	117,588	.....	.....	123,058	238,281
Other refined petroleum products	563,744	850,214	3,614	15,133	73,526	105,582	919	2,563	.....	.....	220,117	387,395
Total	.....	.....	.....	.....	3,396,103	6,377,325	777,268	834,180	.....	.....	4,742,729	8,076,852

² Includes tonnage and revenue of those common carriers only which report to the Interstate Commerce Commission and whose average annual revenue exceeds \$100,000; does not include bulk carriers and private carriers.

Authority: Interstate Commerce Commission

ALL TRAFFIC TRANSPORTED ON INLAND WATERWAYS OF THE UNITED STATES, BY YEARS, 1931-1948¹

Year	Net Tons of 2,000 Lb. ²	Ton-Miles
1948.....	283,657,303 ⁴	40,499,443,000
1947.....	265,136,522 ⁴	34,548,917,000
1946.....	388,685,715	27,951,173,000
1945.....	394,203,902	29,709,146,000
1944.....	402,731,269	31,385,973,000
1943.....	389,721,927	26,306,403,419
1942.....	423,336,372	26,398,378,000
1941.....	427,222,725	26,814,872,000
1940.....	366,835,582	22,411,961,000
1939.....	329,383,983	19,937,499,000
1938.....	277,754,587	17,742,506,538
1937.....	313,287,158	16,882,942,590
1936.....	276,263,926	15,387,090,772
1935.....	225,917,850	13,406,174,849
1934.....	194,786,428	9,423,007,543
1933.....	182,965,000	10,231,893,577
1932.....	151,276,145	7,904,910,125
1931.....	179,735,000	9,233,369,320

² Exclusive of Great Lakes.

³ Figures are after elimination of known duplications which result from reporting of identical shipments over two or more waterways. However, figures for 1947 and 1948 represent originated traffic.

⁴ Data compiled under new statistical method originated by the Board of Engineers for Rivers and Harbors. This new method eliminates duplication more thoroughly than in previous years. Therefore, figures appear low as compared with other years.

Authority: Board of Engineers for Rivers and Harbors.

VESSELS ENGAGED IN ALL FREIGHT TRANSPORTATION ON U. S. INLAND WATERWAYS¹

(As of December 31, 1948)

Type of Vessel	Mississippi River System	Atlantic, Gulf, and Pacific Coasts	Total
Self-propelled—			
Tow boats:			
Number of vessels.....	1,735	2,392	4,127
Horsepower	878,102	881,870	1,759,972
Non-self-propelled—			
Barges and scows, dry cargo:			
Number of vessels.....	4,431	5,377	9,808
Cargo capacity (net tons).....	3,372,259	3,211,664	6,583,923
Tank barges:			
Number of vessels.....	1,419	462	1,881
Cargo capacity (net tons).....	1,575,757	580,289	2,156,046
Total barges and scows:			
Number of vessels.....	5,850	5,839	11,689
Cargo capacity (net tons).....	4,948,016	3,791,953	8,739,969

¹ Includes all inland waterways exclusive of the Great Lakes.

Authority: Board of Engineers for Rivers and Harbors.

Large Petroleum Tonnage Transported Through Panama Canal

ALL TRAFFIC THROUGH THE PANAMA CANAL, BY PRODUCTS AND BY YEARS, 1936-1949

(Cargo Tons of 2,240 Lb)

Product	Fiscal Year ²						
	1949	1948	1947	1946	1945	1944	1943
Crude oil and refined products: ^a							
Atlantic to Pacific.....	2,283,766	1,861,768	2,285,840	2,329,895	2,332,065	1,402,527	1,028,055
Pacific to Atlantic.....	319,798	808,141	272,404	203,949	25,000	28,242	316,084
Total petroleum products.....	2,603,564	2,669,909	2,558,244	2,533,844	2,357,065	1,430,769	1,344,139
All other products:							
Atlantic to Pacific.....	7,615,322	6,817,372	6,008,980	3,788,190	1,902,870	1,951,822	3,917,212
Pacific to Atlantic.....	15,086,272	14,630,381	13,103,294	8,655,906	4,343,672	3,620,896	5,338,615
Total other products.....	22,701,594	21,447,753	19,112,274	12,444,096	6,246,542	5,572,718	9,255,827
All products:							
Atlantic to Pacific.....	9,899,088	8,679,140	8,294,820	6,118,085	4,234,935	3,354,349	4,945,267
Pacific to Atlantic.....	15,406,070	15,438,522	13,375,698	8,659,855	4,368,672	3,649,138	5,654,699
Total all products.....	25,305,158	24,117,662	21,670,518	14,977,940	8,603,607	7,003,487	10,599,966

Product	Fiscal Year ²						
	1942	1941	1940	1939	1938	1937	1936
Crude oil and refined products: ^a							
Atlantic to Pacific.....	908,735	727,657	1,355,856	1,104,602	1,058,856	941,895	818,471
Pacific to Atlantic.....	207,993	1,183,398	2,101,775	2,839,062	2,981,996	3,636,684	3,329,280
Total petroleum products.....	1,116,728	1,911,055	3,457,631	3,943,664	4,040,963	4,588,579	4,147,751
All other products:							
Atlantic to Pacific.....	3,776,187	8,760,789	8,463,744	7,906,665	8,629,593	8,953,737	7,431,428
Pacific to Atlantic.....	8,714,529	14,278,947	15,377,641	16,016,298	14,715,368	14,576,059	14,926,664
Total other products.....	12,490,716	23,039,736	23,841,385	23,922,963	23,344,961	23,529,796	22,358,092
All products:							
Atlantic to Pacific.....	4,684,922	9,488,446	9,819,600	9,011,267	9,689,560	9,895,632	8,249,899
Pacific to Atlantic.....	8,922,522	15,462,345	17,479,416	18,855,360	17,697,364	18,212,743	18,256,044
Total all products.....	13,607,444	24,950,791	27,299,016	27,866,627	27,385,924	28,108,375	26,505,943

^a Year ending June 30.

^b Includes asphalt and wax.

Authority: Report of Governor, Panama Canal

TANKER TONNAGE AND NUMBER OF TRANSITS THROUGH THE PANAMA CANAL, BY YEARS, 1936-1949

Fiscal Year ²	Panama Canal Net Tonnage			Total Commercial Transits		
	Tank- ships	Other Vessels	All Vessels	Tank- ships	Other Vessels	All Vessels
1949	2,230,612	21,242,624	23,473,236	398	4,395	4,793
1948	2,189,728	20,712,336	22,902,064	393	4,285	4,678
1947	2,257,934	17,975,109	20,233,043	367	3,893	4,260
1946	2,755,163	14,761,354	17,516,517	449	3,298	3,747
1945	2,538,618	5,842,341	8,380,959	419	1,520	1,939
1944	1,573,656	4,499,601	6,073,457	256	1,306	1,562
1943	1,149,541	7,084,459	8,233,999	189	1,633	1,822
1942	1,067,439	9,942,565	11,010,004	202	2,486	2,688
1941	1,730,248	18,912,468	20,642,736	323	4,404	4,727
1940	2,756,437	21,387,929	24,144,366	495	4,875	5,370
1939	3,361,367	23,808,640	27,170,007	580	5,323	5,903
1938	3,190,033	22,760,350	25,950,383	562	4,962	5,524
1937	3,714,000	21,716,000	25,430,000	643	4,744	5,387
1936	3,456,000	22,467,000	25,923,000	598	4,784	5,382

² Year ending June 30.

Authority: Report of Governor, Panama Canal

PANAMA CANAL TANKSHIP TOLLS PAID, BY YEARS, 1936-1949

Fiscal Year ²	Tolls Paid			Percentage	
	By Tankships	By Other Vessels	By All Vessels	By Tankships	By Other Vessels
1949	\$1,823,429	\$18,717,801	\$20,541,230	8.9	91.1
1948	1,798,085	18,158,508	19,956,593	9.0	91.0
1947	1,832,719	15,763,883	17,596,602	10.4	89.6
1946	2,206,722	12,566,971	14,773,693	14.9	85.1
1945	2,051,781	5,191,821	7,243,602	28.3	71.7
1944	1,269,352	4,186,811	5,456,163	23.3	76.7
1943	959,445	6,397,240	7,356,685	13.0	87.0
1942	882,694	8,869,513	9,752,207	9.1	90.9
1941	1,435,917	16,721,823	18,157,740	7.9	92.1
1940	2,273,539	18,871,136	21,144,675	10.8	89.2
1939	2,766,289	20,894,731	23,661,021	11.7	88.3
1938	2,846,711	20,323,176	23,169,888	12.3	87.7
1937	3,451,771	19,650,365	23,102,137	14.9	85.1
1936	3,192,498	20,286,615	23,479,114	13.6	86.4

² Year ending June 30.

Authority: Report of Governor, Panama Canal

Tankers Carry A Half Billion Barrels of Oil from Gulf to East Coast

**MOVEMENTS OF CRUDE OIL AND PRODUCTS FROM U. S. GULF
PORTS TO ATLANTIC PORTS, BY YEARS, 1935-1949**

(Thousands of Barrels)

Year	Crude Oil	Gasoline	Kerosine	Gas Oil and Distillate Fuel Oils	Residual Fuel Oils	Lubricating Oils	All Other Oil Products	Total Oil Products
1949 ¹	143,023	155,590	35,045	102,147	67,425	7,288	4,343	514,861
1948.....	196,763	145,790	40,020	104,609	68,662	7,657	4,524	568,025
1947.....	197,322	132,630	34,222	80,533	61,189	7,289	3,271	516,456
1946.....	189,961	123,967	34,335	68,851	55,186	6,600	2,790	481,690
1945.....	73,502	48,793	13,228	28,175	37,192	1,024	2,177	204,091
1944.....	14,248	23,133	5,185	13,123	20,453	....	194	76,336
1943.....	4,988	22,431	5,116	14,831	13,047	3	851	61,267
1942.....	30,803	33,752	8,999	20,341	27,149	2,130	639	123,814
1941.....	147,288	130,534	25,300	42,620	75,923	8,148	956	430,769
1940.....	161,987	119,142	27,262	44,429	67,422	7,463	616	428,321
1939.....	157,819	114,633	22,404	34,701	65,446	6,555	485	402,043
1938.....	150,716	105,036	19,915	29,187	56,987	4,451	494	366,786
1937.....	170,776	104,127	18,330	27,452	56,891	3,186	263	381,025
1936.....	153,026	90,558	15,936	80,431	2,762	201	342,914	
1935.....	141,193	75,802	14,491	62,321	2,191	126	296,124	

¹ Preliminary.

Authority: Bureau of Mines.



MARKETING

MARKETING

NOTE Footnote (1) is used throughout the book to indicate a preliminary figure

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Motor Fuel Leading Petroleum Export

CRUDE OIL AND PRODUCTS SHIPPED FROM CONTINENTAL UNITED STATES,² BY YEARS, 1935-1949

(Thousands of Barrels)

Year	Crude Oil	Motor Fuels					Refined Products							Total Crude Oil and Prod- ucts
		Aviation	Other Motor Fuels	Total Motor Fuels	Kerosine	Distillate Fuel Oils	Residual Fuel Oils	Lubri- cating Oils	Paraffin Wax	Coke	Asphalt	Miscel- laneous Oils	Total Refined Products	
1949 ¹	33,089	8,766	30,713	39,479	2,532	12,189	12,641	13,005	1,030	2,480	1,552	1,498	86,406	119,475
1948.....	39,736	9,237	31,065	37,302	2,532	21,293	13,011	13,392	994	2,521	1,628	1,302	94,938	134,674
1947.....	48,358	2,972	42,377	47,449	7,252	29,877	10,623	14,871	1,107	2,102	3,262	1,579	118,122	164,477
1946.....	42,436	4,294	43,040	45,334	8,637	29,487	9,188	11,051	718	1,933	2,298	2,041	110,687	153,123
1945.....	32,995	34,117	53,942 ³	88,059	6,180	33,496	11,669	6,575	566	1,046	1,289	1,105	149,985	182,983
1944.....	34,238	57,150 ³	43,387	100,537	4,888	43,491	12,536	8,709	579	1,045	699	894	173,378	207,616
1943.....	41,342	23,516 ³	28,061	51,577	4,752	24,957	14,894	8,363	617	1,570	544	841	108,615	149,957
1942.....	33,834	22,358 ³	12,741	35,097	2,576	21,575	12,095	8,272	548	1,627	626	657	83,073	116,907
1941.....	33,238	7,514	19,569	27,083	3,221	16,925	14,114	9,924	761	1,393	1,508	660	75,592	108,830
1940.....	51,466	4,593	20,784	25,377	3,374	19,140	16,109	10,461	679	1,493	1,630	708	78,970	130,466
1939.....	72,078	4,234	40,404	44,638	8,241	32,020	17,485	11,881	831	1,431	233	123	116,883	188,959
1938.....	77,254	(⁴)	(⁴)	50,109	7,504	29,641	17,920	9,417	719	778	274	112	116,474	193,728
1937.....	67,231	(⁴)	(⁴)	38,293	8,885	30,128	15,304	10,375	828	822	250	101	105,586	172,817
1936.....	50,313	(⁴)	(⁴)	28,646	6,936	20,448	14,435	8,691	669	623	1,162	71	81,681	131,994
1935.....	51,430	(⁴)	(⁴)	30,613	6,651	16,249	12,699	8,499	821	668	1,280	77	77,556	128,986

¹ Preliminary.
² Includes total exports to foreign countries and shipments to non-contiguous territories such as Alaska, Hawaii, Puerto Rico, Virgin Islands.
³ Does not include shipments to our armed forces for the years 1942-1945.
⁴ Not available.

Authority: Bureau of Mines

VOLUME OF U. S. PETROLEUM EXPORTS,² BY PRODUCTS, 1932-1949

(Barrels, Except as Indicated)

Product and Foreign-Trade Classification Code	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Crude petroleum (5011).....	33,068,260	39,736,567	46,355,528	42,573,619	35,353,023	34,802,219	43,312,762	35,560,048	34,483,877
Natural gasoline (5012, 5015).....	4,363,496	4,066,031	4,831,556	3,066,296	878,852	671,956	598,647	1,168,785	1,150,867
Gasoline:									
Aviation gasoline (5016.1, 5016.2).....	7,544,285	5,076,880	3,530,782	1,604,923	32,454,414	60,920,220	33,498,700	22,331,941	6,180,260
Other gasoline (5017.1, 5017.2).....	20,483,987	21,716,926	32,569,599	36,439,951	49,673,598	33,633,995	11,965,379	8,387,814	15,545,434
Petroleum blending agents and anti-knock compounds (5013.10, 5013.25, 5013.98).....	291,577	309,665	687,739	265,984	1,353,191	2,580,202	1,848,303	599,457	1,034,412
Mineral spirits, etc. (5018).....	1,070,313	1,429,624	798,168	443,190	1,603,658	644,010	478,413	538,229	326,888
Naphtha, solvents, etc. (5019, 5020).....									
Total gasoline.....	29,390,162	28,533,095	37,595,288	38,754,048	85,084,861	97,778,427	47,790,795	31,857,441	23,086,994
Kerosine (5025, 5026, 5027).....	1,820,197	2,889,152	6,618,218	8,187,303	5,923,443	4,670,387	4,438,416	2,499,378	2,991,293
Gas oil and distillates (5030).....	9,844,726	18,280,642	25,844,547	27,205,095	31,668,007	41,413,712	22,686,999	20,229,948	14,934,170
Residual fuel oil (5031).....	8,548,253	9,469,016	8,080,933	5,813,566	7,154,661	9,427,454	13,402,164	8,690,384	10,330,310
Lubricants:									
Red and pale (5033).....	3,641,148	4,553,871	5,194,075	4,032,222	1,508,453	2,449,484	2,486,161	2,625,124	4,072,921
Black (5034).....	682,511	421,779	395,794	403,107	133,259	141,762	132,801	138,465	132,801
Cylinder bright stocks (5035.1).....	1,455,368	769,111	577,578	569,434	138,816	298,374	272,410	216,725	1,023,520
Cylinder steam-refined (5035.2).....	739,139	294,352	300,594	271,523	152,531	154,933	82,373	108,820	358,029
Insulating, transformer (5038).....	194,298	152,384	186,217	124,245	70,331	71,726	55,439	74,132	79,054
Light, in small packages (5039).....	(⁸)	23,070	18,362	14,267	8,130	42,036	23,339	5,335	27,882
Not elsewhere classified (5040).....	5,613,444	6,635,659	7,392,751	5,509,135	4,420,173	5,405,258	5,489,708	4,805,270	3,572,484
Total lubricating oils.....	12,325,908	12,850,226	14,065,871	10,923,933	6,431,693	8,563,573	8,542,231	7,973,871	9,393,379
Petrolatum and petroleum jelly (pounds) (5042).....	65,576,119	63,679,759	93,224,650	93,666,323	46,622,952	48,101,926	59,434,869	55,813,999	63,244,286
Lubricating greases (pounds) (5041).....	117,336,697	117,285,576	178,752,488	98,007,844	65,263,747	67,976,283	74,978,172	58,328,340	79,660,729
Liquefied petroleum gases (pounds) (5043).....	240,224,190	204,840,815	239,546,458	220,908,930	117,265,936	65,506,196	45,277,128	37,730,916	25,171,953
Paraffin wax (pounds) (5045, 5046).....	276,946,145	278,302,322	309,603,479	200,724,626	158,317,105	162,244,759	172,799,136	153,445,297	212,839,424
Petroleum asphalt (tons) (5047).....	209,336	241,034	496,383	347,106	189,556	106,439	76,849	75,718	200,846
Petroleum coke (tons) (5048).....	436,004	447,549	369,565	344,630	186,764	183,692	280,134	290,280	249,175
Petroleum products, n.e.s. (barrels) (5049, 5059).....	(⁹)	(⁹)	(⁹)	223,340	87,913	129,250	130,825	39,258	23,997
Natural gas (MCF) (5052).....	5,169,761	5,645,425	8,035,263	13,337,555	13,247,348	10,247,704	8,194,374	6,206,093	(⁹)

VOLUME OF U. S. PETROLEUM EXPORTS,¹ BY PRODUCTS, 1932-1949—Continued

(Barrels, Except as Indicated)

Product and Foreign-Trade Classification Code	1940	1939	1938	1937	1936	1935	1934	1933	1932
Crude petroleum (5011).....	51,495,494	72,063,824	77,253,900	67,126,877	50,313,349	61,176,029	41,127,076	36,584,138	27,390,933
Natural gasoline (5012, 5015).....	1,703,571	4,110,896	6,113,676	3,738,324	1,904,065	1,644,905	1,494,502	1,657,402	307,989
Gasoline:									
Aviation gasoline (5016.1, 5016.2).....	2,992,457	4,000,801	(⁴)	30,523,562	22,727,272	26,954,529	21,565,655	25,995,678	33,822,604
Other gasoline (5017.1, 5017.2).....	16,478,005	32,512,314	40,269,437	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Petroleum blending agents and anti-knock compounds (5013.10, 5013.25, 5013.98).....	(⁵)	120,815	111,166	97,303	70,088	74,844	45,961	57,294	44,812
Mineral spirits, etc. (5018).....	62,405	1,443,550	1,321,794	1,519,947	1,684,195	(⁴)	(⁴)	(⁴)	(⁴)
Naphtha, solvents, etc. (5019, 5020).....	229,268	1,443,550	1,321,794	1,519,947	1,684,195	(⁴)	(⁴)	(⁴)	(⁴)
Total gasoline.....	19,762,135	38,077,480	41,702,397	32,140,812	24,481,555	26,029,373	21,611,616	26,052,972	33,867,416
Kerosene (5025, 5026, 5027).....	3,138,819	7,994,124	7,260,805	8,663,734	6,712,339	6,462,164	9,606,992	8,763,630	10,866,851
Gas oil and distillates (5030).....	17,564,545	30,618,297	28,296,988	29,011,228	18,649,280	14,645,214	13,398,399	10,231,357	8,118,044
Residual fuel oil (5031).....	11,879,914	14,972,045	15,536,286	12,810,012	12,955,357	11,394,890	12,578,752	8,223,288	9,713,412
Lubricants:									
Red and pale (5033).....	6,451,784	7,105,381	5,485,266	6,790,998	5,251,679	5,035,497	4,664,205	4,965,514	4,145,285
Black (5034).....	270,206	459,124	441,342	614,019	512,735	501,429	433,521	519,345	476,159
Cylinder bright stocks (5035.1).....	1,328,480	2,032,101	1,527,338	1,708,030	2,798,176	2,817,156	2,412,602	2,626,173	2,108,399
Cylinder steam-refined (5035.2).....	896,844	1,031,787	944,525	1,037,353	24,005	33,938	37,557	31,826	46,975
Insulating, transformer (5038).....	46,751	39,015	29,447	31,953	16,398	12,187	6,588	4,255	3,678
Light, in small packages (5039).....	29,284	31,643	23,949	25,526	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)
Not elsewhere classified (5040).....	1,309,194	1,165,830	875,341	630,770	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)
Total lubricating oils.....	10,332,543	11,864,881	9,327,708	10,838,619	8,602,993	8,400,207	7,554,473	8,147,113	6,782,476
Petrolatum and petroleum jelly (pounds) (5042).....	58,382,298	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Lubricating greases (pounds) (5041).....	99,720,996	108,651,066	77,285,477	102,001,869	88,841,957	94,547,232	83,499,821	73,362,272	64,767,895
Liquefied petroleum gases (pounds) (5043).....	15,915,165	13,028,714	4,674,504	9,120,189	25,931,363	(⁸)	(⁸)	(⁸)	(⁸)
Paraffin wax (pounds) (5045, 5046).....	189,700,788	232,519,030	201,402,077	231,661,221	187,278,689	229,864,402	199,243,162	248,273,697	235,263,394
Petroleum asphalt (tons) (5047).....	231,441	178,299	180,803	186,390	170,094	198,951	199,916	182,171	183,934
Petroleum coke (tons) (5048).....	266,622	255,426	138,951	146,663	111,231	119,228	102,025	169,991	79,777
Petroleum products, n.e.s. (barrels) (5049, 5059).....	1,285,826	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)
Natural gas (MCF) (5052).....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)

¹ Preliminary.

² Does not include shipments to U. S. non-contiguous territories, which are included in export totals of the Bureau of Mines.

³ Included in petroleum products, n.e.s. (not elsewhere specified).

⁴ Included in other gasoline.

⁵ Cylinder stocks not separated prior to 1937.

⁶ Not reported prior to 1937.

⁷ Not reported prior to 1940.

⁸ Not reported prior to 1940.

⁹ Not reported prior to 1942.

Authority: Bureau of the Census.

U. S. EXPORTS OF CRUDE OIL, BY COUNTRIES AND BY YEARS, 1919-1949^a

(Thousands of Barrels)

Year	Canada	Japan	France	Italy	China	Cuba	Argentina	United Kingdom	Portugal and Spain	Mexico
1949 ¹	29,996	....	487	....	....	1,759	242	425	....	43
1948.....	33,298	....	2,991	....	....	1,498	1,417	471	....	62
1947.....	38,564	....	4,358	(²)	(³)	1,354	1,052	299	(³)	101
1946.....	36,595	....	2,305	(³)	(³)	1,158	724	1,233	(³)	102
1945.....	32,841	....	....	....	(³)	824	70	1,284	2	80
1944.....	33,738	....	....	....	....	574	....	421	(³)	60
1943.....	41,942	....	....	....	....	791	....	485	1	65
1942.....	33,753	....	....	....	....	825	113	598	1	104
1941.....	26,516	5,208	....	....	329	1,219	423	238	69	195
1940.....	28,778	11,466	5,587	1,420	844	822	779	533	497	349
1939.....	28,121	16,086	14,955	4,985	1,098	1,141	2,125	560	140	290
1938.....	24,845	21,272	16,743	6,751	1,083	905	1,504	89	54	143
1937.....	28,080	15,995	10,066	4,544	673	905	1,420	753	198	142
1936.....	25,683	10,381	7,463	1,862	93	654	1,284	....	130	148
1935.....	24,412	10,483	10,348	1,607	....	92	1,112	411	53	115
1934.....	21,962	6,693	10,204	446	....	....	769	....	97	107
1933.....	19,501	5,533	9,143	43	....	313	....	233	79	95
1932.....	18,133	4,877	3,404	76	....	233	143	76	203	89
1931.....	19,209	3,606	620	....	....	769	....	64	136	301
1930.....	18,967	2,926	....	....	....	512	68	165	145	24
1929.....	22,412	2,476	34	....	....	701	101	92	148	211
1928.....	15,431	2,066	(³)	....	....	528	(³)	35	186	175
1927.....	13,036	1,633	2	45	....	527	33	69	118	64
1926.....	12,983	1,335	62	77	....	434	227	65	38	39
1925.....	8,916	836	....	165	80	928	(³)	145	11	1,119
1924.....	10,992	837	8	119	....	1,137	1,241	520	....	1,883
1923.....	8,826	544	31	18	76	333	918	233	10	4,871
1922.....	8,194	52	54	....	4	609	83	189	....	31
1921.....	7,167	....	114	....	....	650	....	114	....	....
1920.....	6,472	....	92	....	....	618	215	88	206	....
1919.....	5,269	....	....	....	....	233	....	50	97	....

U. S. EXPORTS OF CRUDE OIL, BY COUNTRIES AND BY YEARS, 1919-1949¹—Continued

(Thousands of Barrels)

Year	Brazil	Sweden	Germany	Belgium	Netherlands	Denmark	Union of South Africa	All Other Countries	Foreign Crude Oil	Total
1949 ¹	53	....	....	....	....	....	....	63	....	33,068
1948 . . . . .	....	....	....	....	....	....	....	....	....	39,737
1947	68	(²)	....	....	(²)	49	....	17	....	45,862
1946	282	87	....	68	(²)	(²)	2	18	....	42,574
1945	76	104	....	....	....	....	2	70	....	35,353
1944	1	....	....	....	....	....	(³)	8	....	34,802
1943	2	....	....	....	....	....	1	56	....	43,343
1942	69	....	....	....	....	....	1	96	....	35,560
1941	273	....	....	....	....	....	....	14	....	34,484
1940	250	46	....	(³)	....	....	....	230	....	51,599
1939	173	639	416	279	276	211	85	483	....	72,064
1938	1	930	1,287	349	326	94	217	715	....	77,254
1937	118	363	1,430	447	309	42	203	1,573	....	67,127
1936	9	447	1,176	150	210	110	196	354	....	50,313
1935 . . . . .	....	270	1,531	93	151	....	47	705	....	51,430
1934 . . . . .	....	66	380	102	....	....	....	301	....	41,127
1933	2	69	676	281	....	....	....	616	....	36,584
1932 . . . . .	....	....	....	....	....	....	....	157	....	27,391
1931 . . . . .	....	....	131	....	....	....	....	699	....	25,535
1930 . . . . .	....	51	755	....	....	36	....	56	....	23,705
1929	28	47	33	(³)	(³)	....	....	142	....	26,394
1928 . . . . .	....	59	181	(³)	54	....	....	246	1	18,962
1927 . . . . .	....	(³)	158	(³)	(⁴)	24	....	135	(³)	15,844
1926 . . . . .	....	....	18	35	....	....	....	323	1	15,407
1925 . . . . .	....	....	548	38	(³)	....	....	339	210	13,335
1924 . . . . .	....	....	351	60	....	65	....	384	368	17,973
1923	(³)	....	332	30	(³)	(³)	....	839	324	17,385
1922	84	....	495	46	17	....	....	129	168	10,163
1921 . . . . .	....	....	377	....	....	....	....	343	74	8,940
1920 . . . . .	....	....	209	....	....	....	....	145	712	8,757
1919 . . . . .	....	....	64	....	....	....	....	211	95	6,019

¹ Preliminary.

² Does not include shipments to U. S. non-contiguous territories, which are included in export totals of the Bureau of Mines.

³ Less than 500 barrels.

Authority: Bureau of the Census.

Western Hemisphere Now Best Customer for U. S. Motor Fuel

U. S. EXPORTS OF MOTOR FUEL,² BY COUNTRIES,³ 1936-1949

Country	(Barrels)						
	1949	1948	1947	1946	1945	1944	1943
Western Hemisphere							
Canada	8,180,722	8,868,206	6,043,050	4,729,424	2,300,524	2,510,376	2,963,093
Newfoundland	341,014	193,000	307,780	.....	.....	.....	.....
Mexico	2,601,918	1,986,571	2,053,662	1,503,986	811,645	635,675	602,795
Panama and Canal Zone....	95,562	163,245	141,827	18,092	4,459	73,621	44,610
Bermuda	100,169	79,598	37,274	(⁴)	(⁴)	(⁴)	(⁴)
Cuba	2,110,775	1,259,116	1,430,719	831,501	435,850	270,562	302,935
Trinidad and Tobago	324,122	13	36	.....	.....	.....	.....
Netherlands West Indies...	1,814,690	1,676,401	956,289	106	75	100	102
Peru	275,215	272,865	1,386	.....	.....	.....	.....
Chile	13,609	8,901	8,219	6,953	21,820	18,369	5,257
Brazil	954,652	703,740	518,551	771,330	252,564	29,853	53,086
Uruguay	163,304	99,051	4,342	109,844	7,273	2,276	2,131
Argentina	121,348	477,754	414,634	(⁴)	(⁴)	(⁴)	(⁴)
Other Western Hemisphere.	225,295	260,064	243,431	(⁴)	(⁴)	(⁴)	(⁴)
Total Western Hemisphere.	17,322,395	16,048,525	12,161,500	7,971,236	3,834,210	3,540,832	3,974,009
Europe							
U.S.S.R. ....	.....	.....	222,409	487,979	4,581,020	4,575,939	2,708,938
Sweden	1,103,416	1,146,865	1,833,626	1,326,912	517,493	45	.....
Norway	176,894	97,983	217,628	627,993	180	.....	.....
Denmark	476,629	464,702	427,662	567,867	9,290	.....	.....
United Kingdom	8,054,797	8,763,543	15,874,030	12,602,331	62,091,594	75,886,016	31,061,367
Eire	165,313	77	189	67	353	65,517	.....
Netherlands	136,881	127	232,509	1,068,495	262,937	.....	.....
Belgium	374,489	321,259	578,837	962,847	147,185	.....	.....
France	1,025,317	616,419	2,557,915	5,400,597	1,898,155	.....	.....
Germany	392,316	293,276	.....	13	.....	.....	.....
Finland	2,167	88,888	265,984	352,022	.....	.....	.....
Spain	18,621	.....	245,478	873,056	5	.....	.....
Portugal	206,728	184,090	49,677	52,657	494	860	3,485
Italy	312,556	77,796	294,747	531,407	.....	2	.....
Other Europe	267,486	506,930	72,842	(⁴)	(⁴)	(⁴)	(⁴)
Total Europe	12,713,610	12,561,955	22,893,533	24,854,243	69,508,706	80,528,379	33,773,790
Middle East							
Turkey	190,287	135,099	1,747	.....	.....	.....	.....
Bahrain	122,617	72	132,950	.....	.....	.....	.....
Other Middle East	1,076	22,885	265	.....	.....	.....	.....
Total Middle East.....	313,980	158,056	134,962	(⁴)	(⁴)	(⁴)	(⁴)
Far East							
Philippine Islands	285,686	631,502	1,288,980	267,231	139	.....	.....
British Malaya	135,231	502	23	.....	.....	.....	.....
China	341,150	1,268,346	1,230,572	1,673,335	120,373	1	15
Japan	25,156	119	10	.....	.....	.....	.....
Other Far East.....	285,945	3,321	3,470	(⁴)	(⁴)	(⁴)	(⁴)
Total Far East.....	1,073,168	1,903,790	2,523,055	1,940,566	120,512	1	15
Africa							
French Morocco	126,072	180,215	453,884	(⁴)	(⁴)	(⁴)	(⁴)
Algeria	165,502	78,395	13	(⁴)	(⁴)	(⁴)	(⁴)
French West Africa	129,553	38,993	.....	(⁴)	(⁴)	(⁴)	(⁴)
Belgian Congo	98,973	435	19,016	.....	.....	.....	.....
Union of South Africa.....	116,934	82,605	116,095	1,010,320	3,615	839	104
Other Africa	259,362	259,863	239,221	(⁴)	(⁴)	(⁴)	(⁴)
Total Africa	896,396	640,506	828,229	1,010,320	3,615	839	104
Oceania							
Australia	1,029,998	801,625	2,618,982	1,710,956	1,788,101	3,549,244	7,432,689
New Zealand	341,867	407,768	1,166,227	785,755	335,517	156,312	1,125,094
Netherlands Indies .....	.....	1,463	17,152	.....	1,586	.....	.....
Other Oceania	62,244	75,418	120,036	(⁴)	(⁴)	(⁴)	(⁴)
Total Oceania	1,434,109	1,286,294	3,922,397	2,496,712	2,125,204	3,705,556	8,557,783
Other countries .....	.....	.....	.....	3,547,267	10,373,414	10,674,776	2,083,740
Total U. S. exports.....	33,753,658	32,599,126	42,463,676	41,820,344	85,965,661	98,450,383	48,389,441

U. S. EXPORTS OF MOTOR FUEL,² BY COUNTRIES,³ 1936-1949 **—Continued**

Country	(Barrels)						
	1942	1941	1940	1939	1938	1937	1936
Western Hemisphere							
Canada	3,111,949	2,664,168	2,472,579	2,962,739	3,276,001	1,740,511	1,272,365
Newfoundland							
Mexico	490,301	813,207	445,545	386,906	233,225	246,989	190,021
Panama and Canal Zone	519,303	512,125	433,663	248,678	231,353	172,852	225,620
Bermuda	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Cuba	525,229	559,096	529,559	533,764	778,970	852,394	645,891
Trinidad and Tobago							
Netherlands West Indies ..	167,773	331,134	897,341	5,125,839	4,851,939	3,395,253	831,763
Peru							
Chile	10,909	15,500	64,325	245,707	216,457	174,130	172,949
Brazil	126,051	412,587	829,727	1,279,549	1,459,699	1,413,100	1,161,710
Uruguay	76	241	94,467	80,015	124,211	92,857	154,527
Argentina	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Other Western Hemisphere.	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Western Hemisphere.	4,951,591	5,308,058	5,767,206	10,863,197	11,176,855	8,088,086	4,654,846
Europe							
U.S.S.R.	879,335	2,107,370	1,065,421	883,532	1,546,650	1,570,897	546,379
Sweden	265,248	87,614	359,695	3,206,946	2,389,886	826,038	457,149
Norway			108,014	359,587	263,196	205,964	60,137
Denmark		2,571		813,070	660,061	319,000	191,000
United Kingdom ..	20,503,986	11,123,535	3,351,976	9,059,652	10,031,463	5,627,872	4,726,926
Ire	42,519	36,266	117,934	195,482	176,852	206,618	167,077
Netherlands			327,218	1,670,307	2,416,941	2,421,850	1,257,585
Belgium		35	109,577	1,273,413	1,377,411	2,187,539	1,658,373
France			702,556	2,645,598	3,830,708	2,586,974	1,234,242
Germany				760,745	2,312,618	1,026,859	982,975
Finland		189,724	213,689	210,546	267,174	129,000	
Spain		498,647	1,520,137	2,127,385	2,095,303	828,389	2,064,403
Portugal	3,056	113,004	98,403	487,870	292,964	163,412	386,018
Italy			74,818	320,024	431,774	595,394	507,895
Other Europe ..	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Europe	21,694,144	14,158,766	8,049,438	24,014,157	28,093,001	18,695,806	14,240,159
Middle East							
Turkey							
Bahrain							
Other Middle East							
Total Middle East...	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Far East							
Philippine Islands		450,949	920,158	1,227,846	953,044	769,785	944,407
British Malaya							
China		386,880	1,203,967	1,149,724	741,269	1,213,089	644,126
Japan		2,225,184	3,162,558	1,381,466	1,483,935	1,433,777	1,083,249
Other Far East		(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Far East		3,063,013	5,286,683	3,759,036	3,178,248	3,416,651	2,671,782
Africa							
French Morocco	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Algeria	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
French West Africa	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Belgian Congo							
Union of South Africa	202,898	164,845	162,491	270,448	619,178	1,148,078	897,051
Other Africa	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Africa	202,898	164,845	162,491	270,448	619,178	1,148,078	897,051
Oceania							
Australia	2,450,962	269,723	973,072	756,003	2,001,160	1,884,382	1,881,248
New Zealand	470,756	200,385	17,361	388,130	872,840	630,558	563,429
Netherlands Indies	8	264	202	136,793	132,877	19,515	92,787
Other Oceania	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Oceania	2,921,726	470,372	990,635	1,280,926	3,006,877	2,534,455	2,537,464
Other countries	3,255,867	1,072,807	1,209,253	2,165,608	1,883,450	2,386,393	1,763,735
Total U. S. exports	33,026,226	24,237,861	21,465,706	42,353,372	47,957,609	36,269,469	26,765,037

²Includes aviation and regular motor gasoline, natural gasoline, naphtha, and anti-knock compounds; but except for 1936 through 1939, and 1947, does not include benzol, which is included in export totals of the Bureau of Mines.

³Does not include shipments to U. S. non-contiguous territories, which are included in export totals of the Bureau of Mines.

⁴Included in "other countries."

Authority: Bureau of the Census.

U. S. EXPORTS OF GAS OIL AND DISTILLATES, BY COUNTRIES AND BY YEARS, 1932-1949 ²

Country	(Barrels)					
	1949 ¹	1948	1947	1946	1945	1944
Western Hemisphere:						
Canada	2,579,419	5,317,722	5,664,264	1,648,553	826,179	1,714,378
Mexico	424,063	392,733	557,987	418,103	241,509	205,537
Guatemala	73,262	95,401	39,894	(³)	(³)	(³)
El Salvador	10,999	89,721	39,500	(³)	(³)	(³)
Costa Rica	11,000	112,290	7,578	(³)	(³)	(³)
Panama and Canal Zone.....	295,799	224,055	181,460	148,865	148,312	.....
Cuba	297,966	209,820	369,500	166,307	58,871	97,175
Netherlands West Indies.....	.....	1,059,990	71,484	8	6	1
Chile	101,671	51,113	26	.....	1,800	8,580
Brazil	83,827	104,596	187,773	99,847	14,319	.....
Other Western Hemisphere. . .	205,026	112,282	152,631	(³)	(³)	(³)
Total Western Hemisphere . .	4,083,032	7,769,723	7,272,097	.....	.....	.....
Europe:						
Spain .....	.....	.....	51,815	225,199	.....	.....
Italy .....	.....	.....	370,177	111,278	.....	.....
Iceland	104,743	106,469	.....	.....	.....	.....
Sweden	675,178	853,300	2,680,131	1,626,563	671,051	67,074
Norway	215,226	193,949	102,589	63,620	100,000	.....
Denmark	586,771	464,149	787,085	719,766	98,884	.....
United Kingdom	2,313,691	4,933,905	8,973,237	14,398,801	26,912,511	37,640,146
Netherlands	411,611	617,762	760,158	744,007	48,000	.....
Belgium	189,018	604,261	700,368	407,620	183,492	.....
France	351,806	630,896	674,817	2,234,015	698,509	.....
Finland .....	.....	.....	16,448	152,081	.....	.....
Switzerland	181,202	253,647	69,646	199,480	223,035	.....
Portugal	15,163	57,663	45,467	.....	.....	4
Greece .....	.....	112,572	.....	386	.....	.....
Germany	45,070	.....	109,731	111,927	.....	.....
Other Europe .....	.....	32	451,256	(³)	(³)	(³)
Total Europe	5,089,479	8,828,605	15,792,975	.....	.....	.....
Middle East:						
Turkey	8,827	47,883	18,600	(³)	(³)	(³)
Other Middle East.....	137	14	29	(³)	(³)	(³)
Total Middle East.....	8,964	47,897	18,629	.....	.....	.....
Far East:						
Philippine Islands	24,770	353,855	107,893	91,342	.....	.....
China	33,337	400,390	956,868	624,010	23,333	.....
Japan .....	.....	100	167	.....	.....	.....
India	245,221	34,962	66	(³)	(³)	.....
Other Far East.....	2,056	423	45	(³)	(³)	.....
Total Far East.....	305,384	789,730	1,065,039	.....	.....	.....
Oceania:						
Australia	171	374,137	825,018	(³)	(³)	(³)
New Zealand	29,213	92,463	342,082	544,424	17,279	445,431
Other Oceania	27,671	42,578	92,955	(³)	(³)	(³)
Total Oceania	57,055	509,178	1,260,055	.....	.....	.....
Africa:						
French Morocco	40,813	167,465	214,281	(³)	(³)	(³)
Gold Coast .....	.....	52,040	3,798	(³)	(³)	(³)
British West Africa.....	.....	65,232	484	(³)	(³)	(³)
Union of South Africa.....	103,557	4,004	1,507	(³)	(³)	(³)
Other Africa	156,442	46,768	215,682	.....	.....	.....
Total Africa	300,812	335,509	435,752	.....	.....	.....
Other countries .....	.....	.....	.....	2,468,893	1,400,917	1,235,386
Total exports	9,844,726	18,280,642	25,844,547	27,205,095	31,668,007	41,413,712

U. S. EXPORTS OF GAS OIL AND DISTILLATES, BY COUNTRIES AND BY YEARS, 1932-1949²—Continued

	(Barrels)					
Country	1943	1942	1941	1940	1939	1938
Western Hemisphere:						
Canada	423,107	493,173	394,376	539,243	569,060	562,906
Mexico	139,470	130,243	201,443	134,128	104,933	373,380
Guatemala	(³)	(³)	(³)	(³)	(³)	(³)
El Salvador	(³)	(³)	(³)	(³)	(³)	(³)
Costa Rica	(³)	(³)	(³)	(³)	(³)	(³)
Panama and Canal Zone		902,656	952,843	1,263,984	1,029,403	944,896
Cuba	49,807	147,889	16,690	59	67,595	117,349
Netherlands West Indies		367,660	143,073	2,015,298	4,842,817	5,110,747
Chile	27,505	30,521	189,439	428,848	281,313	249,175
Brazil	69,924	19,472	122,618	161,234	179,931	433,501
Other Western Hemisphere	(³)	(³)	(³)	(³)	(³)	(³)
Total Western Hemisphere ..						
Europe:						
Spain		81,782	550,055	1,147,018	771,047	316,965
Italy				172,622	150,831	
Iceland						
Sweden	71	313,458	128,341	271,642	1,105,428	481,368
Norway				305,623	662,803	391,878
Denmark				94,397	508,754	598,669
United Kingdom	16,732,488	15,117,075	7,157,939	3,483,413	4,337,141	3,547,765
Netherlands				287,378	2,635,486	2,262,669
Belgium				104,267	1,039,946	1,126,093
France					132,854	86,922
Finland			33,995	36,061	104,301	37,075
Switzerland		4,230			164,468	169,961
Portugal	745	48,237		152,290	217,808	3,242
Greece				13	87,878	15,352
Germany					3,294,878	4,025,537
Other Europe	(³)	(³)	(³)	(³)	(³)	(³)
Total Europe ..						
Middle East:						
Turkey	(³)	(³)	(³)	(³)	(³)	(³)
Other Middle East	(³)	(³)	(³)	(³)	(³)	(³)
Total Middle East						
Far East:						
Philippine Islands			315,969	497,485	561,458	531,602
China			279,921	476,853	612,556	560,093
Japan			3,347,522	5,116,180	6,020,182	5,297,464
India			(³)	(³)	(³)	(³)
Other Far East			(³)	(³)	(³)	(³)
Total Far East ..						
Oceania:						
Australia	(³)	(³)	(³)	(³)	(³)	(³)
New Zealand	1,465,229	854,504	44,760	48,605	49,654	104,686
Other Oceania	(³)	(³)	(³)	(³)	(³)	(³)
Total Oceania						
Africa:						
French Morocco	(³)	(³)	(³)	(³)	(³)	(³)
Gold Coast	(³)	(³)	(³)	(³)	(³)	(³)
British West Africa	(³)	(³)	(³)	(³)	(³)	(³)
Union of South Africa	(³)	(³)	(³)	(³)	(³)	(³)
Other Africa						
Total Africa						
Other countries	3,778,653	1,719,048	1,055,186	827,904	1,085,672	947,643
Total exports	22,686,999	20,229,948	14,934,170	17,564,545	30,618,297	28,296,968

U. S. EXPORTS OF GAS OIL AND DISTILLATES, BY COUNTRIES AND BY YEARS, 1932-1949²—Continued

	(Barrels)					
Country	1937	1936	1935	1934	1933	1932
Western Hemisphere:						
Canada	534,000	402,000	517,000	605,000	272,000	479,000
Mexico	295,000	224,000	191,000	75,000	96,000	253,000
Guatemala	(³)	(³)	(³)	(³)	(³)	(³)
El Salvador	12,000	11,000	.....	46,000	19,000	.....
Costa Rica	(³)	(³)	(³)	(³)	(³)	(³)
Panama and Canal Zone.....	1,127,000	994,000	1,070,000	1,115,000	608,000	552,000
Cuba	176,000	134,000	68,000	1,000	46,000	3,000
Netherlands West Indies..	5,279,000	982,000	451,000	1,114,000	602,000	362,000
Chile	485,000	172,000	348,000	267,000	65,000	32,000
Brazil	69,000	51,000	42,000	77,000	55,000	47,000
Other Western Hemisphere...	(³)	(³)	(³)	(³)	(³)	(³)
Total Western Hemisphere...	.....	.....	.....	.....	.....	.....
Europe:						
Spain	144,000	550,000	177,000	215,000	119,000	109,000
Italy	464,000	747,000	770,000	422,000	387,000	500,000
Iceland .....	.....	.....	.....	.....	.....	.....
Sweden	1,164,000	275,000	536,000	272,000	264,000	151,000
Norway	398,000	257,000	222,000	244,000	247,000	139,000
Denmark	280,000	271,000	138,000	.....	.....	295,000
United Kingdom	2,068,000	1,171,000	1,320,000	1,922,000	1,223,000	669,000
Netherlands	2,503,000	1,742,000	1,010,000	857,000	1,050,000	843,000
Belgium	1,219,000	708,000	306,000	373,000	207,000	137,000
France	978,000	104,000	66,000	335,000	342,000	112,000
Finland .....	.....	.....	34,000	.....	.....	24,000
Switzerland	30,000	.....	5,000	.....	.....	.....
Portugal	(³)	(³)	(³)	(³)	(³)	(³)
Greece	192,000	475,000	281,000	140,000	63,000	.....
Germany	2,690,000	2,577,000	843,000	826,000	630,000	385,000
Other Europe	(¹)	(³)	(³)	(³)	(³)	(³)
Total Europe .....	.....	.....	.....	.....	.....	.....
Middle East:						
Turkey	147,000	59,000	102,000	.....	29,000	.....
Other Middle East.....	(³)	(³)	(³)	(³)	(³)	(³)
Total Middle East.....	.....	.....	.....	.....	.....	.....
Far East:						
Philippine Islands	385,000	239,000	199,000	174,000	154,000	61,000
China	897,000	538,000	220,000	339,000	476,000	251,000
Japan	6,308,000	4,990,000	5,129,000	3,433,000	3,069,000	2,553,000
India	17,000	.....	22,000	19,000	28,000	39,000
Other Far East.....	(³)	(³)	(³)	(³)	(³)	(³)
Total Far East .....	.....	.....	.....	.....	.....	.....
Oceania:						
Australia	13,000	90,000	3,000	.....	3,000	.....
New Zealand	100,000	344,000	35,000	84,000	72,000	1,000
Other Oceania	(³)	(³)	(³)	(³)	(³)	(³)
Total Oceania .....	.....	.....	.....	.....	.....	.....
Africa:						
French Morocco	26,000	.....	.....	.....	.....	.....
Gold Coast	11,000	7,000	4,000	3,000	1,000	3,000
British West Africa.....	(³)	(³)	(³)	(³)	(³)	(³)
Union of South Africa.....	(³)	(³)	(³)	(³)	(³)	(³)
Other Africa .....	.....	.....	.....	.....	.....	.....
Total Africa .....	.....	.....	.....	.....	.....	.....
Other countries	1,000,000	535,000	536,000	440,000	105,000	188,000
Total exports	29,011,000	18,649,000	14,645,000	13,398,000	10,232,000	8,188,000

¹ Preliminary.

² Does not include shipments to U. S. non-contiguous territories, which are included in export totals of the Bureau of Mines.

³ Included in "other countries."

Authority: Bureau of the Census.

Residual Fuel-Oil Exports Hold at High Level

U. S. EXPORTS OF RESIDUAL FUEL OIL, BY COUNTRIES AND BY YEARS, 1932-1949 ²

Country	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941
Western Hemisphere:									
Canada	2,818,756	3,892,892	2,407,123	1,924,223	728,343	496,003	906,936	1,271,032	1,286,187
Mexico	1,360,604	1,285,210	1,341,517	836,482	585,183	627,320	583,765	433,032	473,174
Guatemala	449,079	584,131	484,077	76,426	.....	.....	.....	223,148	303,240
El Salvador	88,889	65,000	153,355	.....	.....	.....	.....	45,116	91,107
Honduras	131,827	93,000	22,400	22,000	.....	.....	.....	130,641	129,684
Nicaragua	86,732	2,866	2,500	(³)	(³)	.....	(³)	(³)	(³)
Panama Canal Zone	210,064	874,330	337,754	81,434	70,460	.....	46,592	1,331,271	1,022,208
Cuba	1,296,919	1,192,255	597,668	1,137,190	1,005,487	2,245,241	680,436	1,109,759	1,115,623
Colombia	9,999	.....	152	90,000	.....	.....	(³)	(³)	(³)
Chile	934,774	109,114	347,555	(³)	(³)	.....	(³)	51,545	2,293,502
Other Western Hemisphere.....	.....	37,816	.....	.....	.....	.....	.....	.....	.....
Total Western Hemisphere.....	7,387,643	8,136,614	5,694,101	.....	.....	.....	.....	.....	.....
Europe:									
Sweden	299,028	289,420	425,513	134,029	.....	.....	.....	49,327	106,537
Denmark	169,098	316,849	581,836	187,435	.....	.....	.....	.....	.....
United Kingdom .....	.....	5,095	401,752	(³)	4,359,746	6,058,890	10,711,213	3,279,893	1,541,983
Other Europe	1,000	284,659	491,939	(³)	(³)	.....	(³)	(³)	(³)
Total Europe	469,126	896,023	1,901,040	.....	.....	6,058,890	.....	.....	.....
Far East:									
Philippine Islands	298,023	141,955	104,314	.....	.....	.....	.....	.....	314,083
Japan	301,065	131,365	.....	.....	.....	.....	.....	.....	445,803
Other Far East.....	.....	162,512	381,414	(¹)	.....	.....	.....	(³)	(³)
Total Far East.....	599,088	435,832	485,728	.....	.....	.....	.....	.....	.....
Africa:									
French Morocco	87,634	.....	.....	.....	173,533	.....	.....	.....	52,642
French Equatorial Africa.....	4,762	.....	.....	.....	.....	.....	.....	(³)	(³)
Other Africa .....	.....	.....	.....	(³)	.....	.....	.....	.....	.....
Total Africa	92,396	.....	.....	.....	.....	.....	.....	.....	.....
Other countries .....	.....	547	64	1,324,347	231,909	.....	473,222	785,620	1,154,539
Total exports	8,548,253	9,469,016	8,080,933	5,813,566	7,154,661	9,427,454	13,402,164	8,690,384	10,330,310

U. S. EXPORTS OF RESIDUAL FUEL OIL, BY COUNTRIES AND BY YEARS, 1932-1949¹—Continued

(Barrels)

Country	1940	1939	1938	1937	1936	1935	1934	1933	1932
Western Hemisphere:									
Canada	1,643,888	610,779	964,743	788,000	1,228,000	1,025,000	823,000	990,000	1,103,000
Mexico	947,532	351,323	894,505	1,170,000	675,000	896,000	939,000	517,000	891,000
Guatemala	228,797	288,163	228,984	292,000	150,000	...	79,000	115,000	85,000
El Salvador	114,793	55,051	54,271	74,000	187,000	8,000	115,000	135,000	47,000
Honduras	89,700	76,700	67,500	80,000	66,000	123,000	131,000	135,000	134,000
Nicaragua	(²)	(²)	(²)	11,000	4,000	20,000	18,000	51,000	15,000
Panama Canal Zone	1,286,695	850,265	853,556	545,000	827,000	807,000	938,000	657,000	577,000
Cuba	566,052	322,362	1,356,034	247,000	272,000	294,000	643,000	172,000	506,000
Colombia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Chile	1,860,718	1,903,037	2,296,578	2,393,000	1,472,000	1,262,000	1,207,000	1,182,000	647,000
Other Western Hemisphere	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Total Western Hemisphere .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Europe:									
Sweden	24,856	392,456	426,401	14,000	.....	.....	.....	.....	.....
Denmark	50,763	273,003	116,683	.....	.....	.....	.....	.....	.....
United Kingdom	340,331	279,293	496,653	379,000	189,000	151,000	135,000	2,000	3,000
Other Europe	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Total Europe .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Far East:									
Philippine Islands	701,350	812,445	678,467	349,000	627,000	559,000	708,000	646,000	688,000
Japan	2,132,146	3,898,754	3,029,586	4,045,000	4,265,000	4,163,000	4,484,000	2,113,000	2,433,000
Other Far East	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Total Far East .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Africa:									
French Morocco .....	.....	.....	184,120	.....	.....	.....	.....	.....	.....
French Equatorial Africa	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Other Africa	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Total Africa .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other countries	1,892,293	4,868,414	3,888,205	2,423,000	2,993,000	2,087,000	2,269,000	1,203,000	2,058,000
Total exports	11,879,914	14,972,045	15,536,286	12,810,000	12,955,000	11,395,000	12,579,000	8,223,000	9,713,000

¹ Preliminary.
² Does not include shipments to U. S. non-contiguous territories, which are included in export totals of the Bureau of Mines.

³ Included in "other countries."
 Authority. Bureau of the Census

U. S. EXPORTS OF KEROSENE, BY COUNTRIES AND BY YEARS, 1929-1949¹

	(Barrels)						
Country	1949 ¹	1948	1947	1946	1945	1944	1943
Western Hemisphere:							
Canada	736,002	1,682,514	3,300,085	601,689	238,367	186,026	268,447
Mexico	103,015	94,942	122,482	(⁴)	(⁴)	(⁴)	(⁴)
Canal Zone	29,514	37,671	10,009	(⁴)	(⁴)	(⁴)	(⁴)
Brazil	62,194	92,469	156,158	64,696	8,062	4,196	22,371
Costa Rica	2,908	8,967	6,625	1,081	.....	.....	257
Netherlands West Indies...	.....	.....	.....	.....	.....	.....	.....
Other Western Hemisphere.	36,284	44,587	77,021	(⁴)	(⁴)	(⁴)	(⁴)
Total Western Hemisphere.	970,317	1,961,150	3,672,380	.....	.....	.....	.....
Europe:							
Sweden ..	209,691	296,848	114,659	380,368	.....	.....	.....
Norway	2,958	423	42,124	42,091	.....	.....	.....
Denmark	1,128	53,231	23,669	66,239	5,113	.....	.....
United Kingdom	174,458	63,766	1,429,344	3,013,055	4,983,936	4,278,118	3,781,660
Netherlands	47,969	55,518	118,327	847,111	103,199	.....	.....
Finland .....	.....	19,460	8,371	55,232	.....	.....	.....
Portugal ..	33,477	46,102	6	100,074	74	37	100
Eire .....	.....	.....	.....	.....	.....	.....	.....
Other Europe	13,722	21,375	134,185	(⁴)	(⁴)	(⁴)	(⁴)
Total Europe	483,403	556,723	1,870,705	.....	.....	.....	.....
Middle East:							
Turkey	141,727	17,916	64,918	40,874	1	.....	.....
Other Middle East. ..	53	13	11	(⁴)	(⁴)	(⁴)	(⁴)
Total Middle East....	141,780	17,929	64,929	.....	.....	.....	.....
Far East:							
Japan .....	.....	8	16	.....	.....	.....	.....
India	36,544	3,915	2,231	350	.....	25	.....
Philippine Islands	32,998	64,716	173,273	275,003	.....	.....	.....
Siam .....	.....	.....	.....	.....	.....	.....	.....
China ²	845	180,666	671,420	875,395	37,669	.....	.....
Other Far East....	18	1,904	598	(⁴)	(⁴)	(⁴)	(⁴)
Total Far East..	70,405	251,209	847,538	.....	.....	.....	.....
Oceania:							
Australia	2,926	17,995	75,201	205,951	52,855	.....	166,031
New Zealand	3,672	1,761	33,917	85,618	15,449	2,034	45,201
British West Pacific Islands.	17,237	3,823	14,765	(⁴)	(⁴)	(⁴)	(⁴)
French Pacific Island.....	10,644	12,904	10,305	(⁴)	(⁴)	(⁴)	(⁴)
Other Oceania	7	.....	13,250	(⁴)	(⁴)	(⁴)	(⁴)
Total Oceania	34,486	36,483	147,438	.....	.....	.....	.....
Africa:							
Egypt	138	57	35	73	83	77	495
French Morocco	21,603	52	35,599	(⁴)	(⁴)	(⁴)	(⁴)
French West Africa.....	33,674	16,774	675	(⁴)	(⁴)	(⁴)	(⁴)
French Equatorial Africa...	11,712	368	1,048	(⁴)	(⁴)	(⁴)	(⁴)
Gold Coast	13,258	24,298	38,336	(⁴)	(⁴)	(⁴)	(⁴)
Union of South Africa.....	18,863	2,533	181	(⁴)	(⁴)	(⁴)	(⁴)
Other Africa	20,468	21,576	8,354	(⁴)	(⁴)	(⁴)	(⁴)
Total Africa	119,806	65,658	84,228	.....	.....	.....	.....
Other countries .....	.....	.....	.....	1,532,403	478,635	199,874	153,854
Total exports	1,820,197	2,889,152	6,687,218	8,187,303	5,923,443	4,670,387	4,438,416

U. S. EXPORTS OF KEROSENE, BY COUNTRIES AND BY YEARS, 1929-1949²—Continued

	(Barrels)						
Country	1942	1941	1940	1939	1938	1937	1936
Western Hemisphere:							
Canada	235,948	57,483	186,251	189,069	229,420	84,000	55,000
Mexico	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	25,000	25,000
Canal Zone	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	37,000	109,000
Brazil	57,156	222,642	227,173	415,372	401,002	523,000	501,000
Costa Rica	1,272	3,639	4,777	101,629	3,572	4,000	4,000
Netherlands West Indies...	10	74,502	26,089	560,785	1,209,408	1,293,000	1,301,000
Other Western Hemisphere.	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Western Hemisphere.	.....	.....	.....	.....	.....	.....	.....
Europe:							
Sweden .....	.....	.....	16,881	463,885	420,567	269,000	356,000
Norway .....	.....	.....	53,504	188,220	104,351	161,000	97,000
Denmark .....	.....	.....	572	494,745	496,100	56,000	4,000
United Kingdom	1,670,705	1,940,897	448,123	1,466,894	1,554,733	1,294,000	937,000
Netherlands .....	.....	.....	181,979	991,361	695,668	1,094,000	693,000
Finland .....	.....	18,464	55,269	50,299	67,480	20,000	110,000
Portugal	606	605	624	225,411	114,674	93,000	198,000
Eire	41,697	39,114	35,363	63,101	19,550	55,000	40,000
Other Europe	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Europe .....	.....	.....	.....	.....	.....	.....	.....
Middle East:							
Turkey .....	.....	.....	6	166,401	200,004	162,000	36,000
Other Middle East.....	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Middle East.....	.....	.....	.....	.....	.....	.....	.....
Far East:							
Japan .....	.....	87,510	43,463	254,526	130	181,000	.....
India .....	.....	238	3,351	81,430	12,266	3,000	6,000
Philippine Islands .....	.....	80,449	415,084	577,841	508,811	412,000	513,000
Siam .....	.....	.....	220,228	95,911	.....	.....	.....
China ³ .....	.....	328	476,821	533,893	337,006	1,433,000	684,000
Other Far East.....	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Far East.....	.....	.....	.....	.....	.....	.....	.....
Oceania:							
Australia	178,925	30,049	154,309	107,734	169,234	281,000	181,000
New Zealand	72,584	12,140	6,755	63,606	62,044	35,000	15,000
British West Pacific Islands.	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
French Pacific Island.....	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Other Oceania	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Oceania .....	.....	.....	.....	.....	.....	.....	.....
Africa:							
Egypt	198	125	59,564	441,744	15	.....	.....
French Morocco	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
French West Africa.....	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
French Equatorial Africa...	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Gold Coast	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	62,000	55,000
Union of South Africa.....	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	198,000	152,000
Other Africa	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total Africa .....	.....	.....	.....	.....	.....	.....	.....
Other countries	240,277	423,048	522,633	460,267	654,770	889,000	641,000
Total exports	2,499,378	2,991,293	3,138,819	7,994,124	7,260,805	8,664,000	6,713,000

U. S. EXPORTS OF KEROSENE, BY COUNTRIES AND BY YEARS, 1929-1949 ²—Continued

	(Barrels)						
Country	1935	1934	1933	1932	1931	1930	1929
Western Hemisphere:							
Canada	44,000	61,000	51,000	53,000	92,000	124,000	120,000
Mexico	21,000	17,000	18,000	33,000	45,000	52,000	38,000
Canal Zone	37,000	53,000	23,000	20,000	35,000	44,000	254,000
Brazil	524,000	541,000	432,000	211,000	500,000	557,000	602,000
Costa Rica	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Netherlands West Indies...	986,000	816,000	133,000	171,000	23,000	4,000	4,000
Other Western Hemisphere.	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Total Western Hemisphere .....	.....	.....	.....	.....	.....	.....	.....
Europe:							
Sweden	298,000	361,000	249,000	249,000	249,000	266,000	427,000
Norway	128,000	139,000	151,000	144,000	184,000	178,000	252,000
Denmark .....	.....	.....	.....	285,000	501,000	355,000	647,000
United Kingdom	757,000	2,200,000	2,114,000	2,816,000	2,882,000	2,945,000	2,794,000
Netherlands	526,000	942,000	799,000	1,018,000	1,142,000	1,318,000	1,382,000
Finland .....	.....	.....	73,000	107,000	113,000	143,000	119,000
Portugal	257,000	120,000	42,000	47,000	84,000	237,000	248,000
Ireland	30,000	34,000	139,000	96,000	116,000	116,000	182,000
Other Europe	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Total Europe .....	.....	.....	.....	.....	.....	.....	.....
Middle East:							
Turkey	71,000	.....	39,000	.....	.....	.....	19,000
Other Middle East.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Total Middle East.....	.....	.....	.....	.....	.....	.....	.....
Far East:							
Japan	31,000	375,000	265,000	978,000	370,000	1,071,000	1,304,000
India	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Philippine Islands	451,000	420,000	435,000	341,000	224,000	427,000	462,000
Siam .....	.....	.....	.....	.....	.....	.....	.....
China ³	955,000	1,845,000	1,824,000	1,832,000	2,249,000	3,172,000	4,027,000
Other Far East.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Total Far East.....	.....	.....	.....	.....	.....	.....	.....
Oceania:							
Australia	277,000	346,000	466,000	577,000	486,000	696,000	908,000
New Zealand	24,000	38,000	75,000	134,000	89,000	136,000	154,000
British West Pacific Islands	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
French Pacific Island.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Other Oceania	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Total Oceania .....	.....	.....	.....	.....	.....	.....	.....
Africa:							
Egypt .....	.....	.....	.....	.....	.....	.....	.....
French Morocco	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
French West Africa.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
French Equatorial Africa...	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Gold Coast	49,000	45,000	36,000	46,000	57,000	78,000	52,000
Union of South Africa.....	150,000	157,000	141,000	111,000	173,000	409,000	374,000
Other Africa	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Total Africa .....	.....	.....	.....	.....	.....	.....	.....
Other countries	846,000	1,097,000	1,259,000	1,598,000	2,920,000	4,362,000	5,451,000
Total exports	6,462,000	9,607,000	8,764,000	10,867,000	12,534,000	16,690,000	19,820,000

¹ Preliminary.

² Does not include shipments to U. S. non-contiguous territories, which are included in export totals of the Bureau of Mines.

³ Includes Hongkong and Kwantung.

⁴ Included in "other countries."

Authority: Bureau of the Census.

U. S. Lubricating Oils Find Big Market Abroad

U. S. EXPORTS OF LUBRICATING OIL,¹ BY COUNTRIES² AND BY YEARS, 1929-1949

(Barrels)

Country	1949 ¹	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
United Kingdom	1,854,049	2,350,154	1,759,908	1,989,064	1,862,129	3,832,526	2,962,877	3,049,771	3,209,777	3,456,725	2,802,826
Japan	10,810	1,938	186	516,746	388,898	976,441	1,105,857	680,566	880,892	819,418	513,545
Australia	913,296	598,039	1,016,997	537,252	916,809	571,214	1,132,081	925,807	707,876	626,628	600,283
British India .....	.....	.....	.....	302,824	292,116	383,071	377,426	463,521	488,148	577,537	426,111
Canada	460,696	474,187	487,768	.....	.....	.....	.....	444,562	546,642	523,702	.....
France	361,626	573,360	852,741	1,284,261	101,839	.....	.....	.....	.....	329,962	480,473
Union of South Africa.....	430,400	406,977	482,314	331,898	260,505	366,657	355,408	186,224	327,702	327,471	172,559
Italy	581,794	562,163	875,715	110,788	233	13,189	279	1	18	313,674	483,471
Brazil	558,561	583,593	637,712	363,723	416,655	485,987	241,358	298,415	412,409	313,423	301,553
China	54,374	228,508	393,677	599,018	27,616	272	17,141	35,513	400,680	294,812	145,881
Spain	329,207	360,141	256,750	293,747	102,577	72,699	95,362	24,821	190,063	286,719	376,915
Egypt	228,915	289,306	189,159	209,245	191,054	303,648	631,391	693,274	447,599	183,732	119,808
Belgium	568,292	711,805	908,816	880,867	31,959	.....	.....	.....	.....	174,711	974,863
New Zealand	145,282	170,200	246,786	120,580	94,147	94,685	187,503	77,160	115,087	161,260	106,131
Mozambique	118,704	65,819	87,087	57,206	18,397	13,633	12,358	12,955	30,579	148,693	99,491
Netherlands Indies ⁴	151,129	136,363	147,593	25,330	.....	.....	.....	10,804	166,252	130,248	93,039
Philippine Islands	209,293	139,772	224,664	131,369	1,037	.....	.....	.....	148,057	125,167	123,266
Sweden	135,219	342,818	430,347	487,433	144,803	65,416	52,354	31,971	18,618	64,099	267,846
Mexico	395,581	301,537	330,152	239,978	271,147	191,610	187,517	162,335	136,436	162,473	89,288
Netherlands	463,173	350,938	287,819	316,176	655	.....	.....	.....	.....	89,947	365,453
Chile	105,385	120,235	113,987	89,581	76,287	76,384	70,018	80,289	112,022	78,283	90,288
Norway	157,478	113,640	149,610	109,405	559	.....	.....	.....	.....	52,830	80,376
Portugal	80,067	109,951	88,483	89,465	67,067	39,842	40,335	13,292	2,609	53,065	78,668
Denmark	147,036	238,561	295,497	226,176	.....	.....	.....	.....	.....	9,831	477,017
Germany	100,052	78,140	17	.....	.....	.....	.....	.....	.....	.....	1,031,888
Other countries	3,765,489	3,540,081	3,812,086	1,609,601	1,165,194	1,076,299	1,062,968	1,226,955	1,153,986	1,035,193	925,300
Total exports	12,325,908	12,850,226	14,065,871	10,923,933	6,431,693	8,563,573	8,542,231	7,973,871	9,393,379	10,332,543	11,766,041

U. S. EXPORTS OF LUBRICATING OIL,¹ BY COUNTRIES² AND BY YEARS, 1929-1949—Continued

(Barrels)

Country	1928	1927	1926	1925	1924	1923	1922	1921	1920	1929
United Kingdom	2,458,805	2,519,000	2,058,000	1,855,000	1,709,000	1,927,000	1,533,000	1,764,000	2,098,000	1,815,000
Japan	307,272	444,000	308,000	282,000	257,000	165,000	193,000	239,000	247,000	320,000
Australia	414,676	487,000	353,000	415,000	288,000	358,000	256,000	199,000	304,000	481,000
British India	309,435	569,000	425,000	427,000	365,000	414,000	319,000	336,000	508,000	438,000
Canada	485,944	440,000	409,000	434,000	315,000	294,000	344,000	403,000	481,000	568,000
France	528,814	439,000	477,000	531,000	802,000	1,148,000	1,025,000	1,402,000	1,475,000	1,643,000
Union of South Africa	117,229	157,000	129,000	96,000	95,000	65,000	64,000	69,000	78,000	118,000
Italy	306,328	374,000	261,000	467,000	331,000	363,000	343,000	278,000	461,000	377,000
Brazil	243,239	276,000	206,000	229,000	196,000	181,000	122,000	133,000	159,000	278,000
China	162,657 ³	434,000 ⁴	273,000 ⁵	248,000 ⁵	259,000 ⁵	301,000 ⁵	188,000 ⁵	261,000 ⁵	242,000 ⁵	317,000 ⁵
Spain	106,111	37,000	28,000	71,000	63,000	54,000	123,000	147,000	103,000	102,000
Egypt	75,379	97,000	44,000	60,000	27,000	26,000	20,000	40,000	68,000	114,000
Belgium	799,292	977,000	766,000	717,000	586,000	679,000	528,000	590,000	783,000	834,000
New Zealand	69,253	110,000	50,000	68,000	42,000	51,000	34,000	33,000	86,000	97,000
Mozambique	59,128	92,000	87,000	66,000	62,000	56,000	35,000	48,000	52,000	44,000
Netherlands Indies ¹	56,539	66,000	62,000	50,000	39,000	49,000	34,000	43,000	48,000	67,000
Philippine Islands	79,291	108,000	63,000	71,000	61,000	61,000	43,000	65,000	70,000	67,000
Sweden	159,082	158,000	86,000	95,000	83,000	30,000	63,000	97,000	118,000	119,000
Mexico	87,073	98,000	66,000	60,000	49,000	35,000	35,000	48,000	93,000	77,000
Netherlands	191,597	482,000	318,000	260,000	253,000	246,000	134,000	173,000	228,000	344,000
Chile	59,099	57,000	51,000	43,000	34,000	24,000	19,000	33,000	57,000	70,000
Norway	33,037	36,000	34,000	43,000	27,000	26,000	17,000	38,000	33,000	73,000
Portugal	38,032	84,000	44,000	47,000	48,000	30,000	23,000	36,000	42,000	46,000
Denmark	203,174	244,000	166,000	192,000	117,000	165,000	166,000	195,000	169,000	161,000
Germany	1,234,720	1,230,000	1,271,000	991,000	945,000	908,000	690,000	835,000	1,054,000	1,303,000
Other countries	740,502	854,000	565,000	577,000	514,000	496,000	411,000	544,000	792,000	902,000
Total exports	9,327,708	10,839,000	8,603,000	8,399,000	7,556,000	8,147,000	6,782,000	8,049,000	9,849,000	10,775,000

¹ Preliminary.
² Includes all lubricating oils, but not lubricating greases.
³ Does not include shipments to U. S. non-contiguous territories, which are included in export totals of the Bureau of Mines.
⁴ Indonesia after 1948.
⁵ China includes Hongkong and Kwantung, 1929 through 1939.

Authority: Bureau of the Census

**VALUE OF EXPORTS OF CRUDE OIL AND REFINED PRODUCTS
AND ALL OTHER PRODUCTS EXPORTED FROM THE
UNITED STATES, BY YEARS, 1935-1949**

Year	Crude Oil and Refined Products	All Other Products	Total Domestic Exports	Petroleum Exports (Per Cent of Total)
1949.....	\$561,407,000	\$11,323,789,000	\$11,885,196,000	4.72
1948.....	656,882,000	11,875,211,000	12,532,093,000	5.24
1947.....	640,445,000	13,611,840,000	14,252,285,000	4.49
1946.....	435,595,000	9,066,918,000	9,502,513,000	4.58
1945.....	753,084,000	8,831,600,000	9,584,684,000	7.86
1944.....	959,606,000	13,201,938,000	14,161,544,000	6.78
1943.....	612,762,000	12,324,780,000	12,841,542,000	4.77
1942.....	350,122,000	7,652,991,000	8,003,113,000	4.37
1941.....	284,653,000	4,735,224,000	5,019,877,000	5.67
1940.....	310,145,000	3,624,036,000	3,934,181,000	7.88
1939.....	385,069,000	2,738,274,000	3,123,343,000	12.33
1938.....	388,606,000	2,668,563,000	3,057,169,000	12.71
1937.....	376,398,000	2,922,531,000	3,298,929,000	11.41
1936.....	263,450,000	2,155,519,000	2,418,969,000	10.89
1935.....	250,327,000	1,992,754,000	2,243,081,000	11.16

Authority· Bureau of the Census.

Lubricants Lead as Most Valuable U. S. Petroleum Exports

VALUE OF U. S. PETROLEUM EXPORTS—BY PRODUCTS— BY YEARS, 1871-1949

(Thousands of Dollars)

Year	Crude Oil	Gasoline and Motor Fuel	Kerosines	Gas Oil and Distillate Fuel Oils ¹	Residual Fuel Oils ²	Lubricating Oils ³	All Other Petroleum Products ⁴	Total Petroleum Products
1949 ¹	98,425	146,498	7,001	33,183	14,102	180,737	81,461	561,407
1948.....	116,763	133,536	11,661	68,528	22,459	210,598	93,337	656,882
1947.....	98,087	134,995	21,452	66,570	14,058	211,342	93,941	640,445
1946.....	74,132	106,437	20,151	54,548	7,445	121,776	51,106	435,595
1945.....	58,265	469,142	11,482	71,708	11,797	86,150	44,540	753,084
1944.....	58,929	634,632	12,417	106,375	18,482	105,500	23,272	959,607
1943.....	66,515	238,444	12,177	50,203	18,683	106,788	23,952	516,762
1942.....	51,597	134,908	5,800	33,707	8,893	93,865	21,353	350,123
1941.....	49,494	83,949	6,916	23,770	9,129	88,672	22,723	284,653
1940.....	67,845	66,278	8,051	24,796	9,870	99,141	34,165	310,146
1939.....	92,790	101,986	15,787	42,272	12,133	90,427	28,378	383,123
1938.....	111,641	107,599	16,171	42,770	13,586	68,939	27,900	388,606
1937.....	96,431	90,957	20,898	42,858	11,709	86,509	27,036	376,398
1936.....	66,119	63,056	14,823	24,112	11,244	65,433	18,663	263,450
1935.....	61,176	64,291	15,196	17,886	9,582	61,751	20,445	250,327
1934.....	49,756	51,384	20,792	17,883	10,459	58,234	19,029	227,537
1933.....	31,979	57,520	19,209	12,348	5,962	56,230	16,769	200,017
1932.....	27,106	79,081	23,731	9,295	6,877	49,154	13,136	208,381
1931.....	20,828	109,301	34,796	23,966		64,230	17,379	270,500
1930.....	32,153	250,647	63,325	33,220		91,003	23,991	494,339
1929.....	37,800	266,904	83,798	37,200		104,785	30,703	561,191
1928.....	26,766	232,298	93,466	45,812		93,639	33,582	525,583
1927.....	25,944	209,839	79,303	49,802		90,720	30,295	485,903
1926.....	28,496	263,596	100,353	46,440		86,823	28,828	554,534
1925.....	24,275	197,492	84,700	49,040		91,063	26,074	472,644
1924.....	26,495	167,347	88,619	49,353		86,669	23,726	442,209
1923.....	23,112	137,681	76,554	35,708		76,656	15,556	365,267
1922.....	18,348	126,827	83,135	25,960		76,642	13,344	344,256
1921.....	20,205	130,906	93,899	43,973		92,697	545	384,225
1920.....	28,990	175,541	133,290	54,889		155,647	1,041	549,398
1919.....	14,806	92,047	119,024	30,819		85,143	1,834	343,673
1918.....	12,084	139,594	50,354	66,616		75,603	14	344,265
1917.....	7,310	87,991	54,642	32,330		38,666	30	220,969
1916.....	5,754	45,771	52,283	24,769		37,452	388	166,417
1915.....	4,912	27,900	53,607	18,544		28,500	231	133,694
1914.....	6,813	27,352	74,500	13,748		27,853	1,908	152,174
1913.....	7,751	25,101	66,189	8,306		29,574	496	137,417
1912.....	6,770	20,459	62,084	....	....	28,297	6,599	124,210
1911.....	6,165	11,483	61,055	....	....	23,337	3,882	105,923
1910.....	5,404	8,407	55,642	....	....	20,921	3,732	94,107
1909.....	6,028	5,800	67,814	....	....	20,016	4,180	103,839
1908.....	6,520	4,543	75,988	....	....	18,971	2,793	108,815
1907.....	6,334	3,676	59,635	....	....	19,210	2,528	91,383
1906.....	7,731	2,488	54,858	....	....	18,690	1,971	85,739
1905.....	6,086	2,215	54,901	....	....	14,312	2,128	79,641
1904.....	6,351	2,322	58,384	....	....	12,393	1,174	80,624
1903.....	6,782	1,519	51,356	....	....	12,690	282	72,629
1902.....	6,331	1,393	49,079	....	....	10,872	922	68,597
1901.....	6,038	1,742	53,491	....	....	10,260	1,255	72,785
1900.....	7,341	1,681	54,693	....	....	9,934	845	74,484
1899.....	5,958	1,558	48,466	....	....	8,345	656	64,982
1898.....	4,764	1,053	38,542	....	....	7,385	807	52,552
1897.....	5,021	995	46,230	....	....	6,478	334	59,058
1896.....	6,122	1,060	48,631	....	....	6,557	14	62,383
1895.....	5,162	911	34,707	....	....	5,867	13	46,660
1894.....	4,416	944	30,676	....	....	5,449	15	41,500
1893.....	4,567	1,075	31,719	....	....	4,739	42	42,142
1892.....	4,696	1,038	31,827	....	....	5,131	38	42,729
1891.....	5,366	868	34,880	....	....	5,000	61	46,175
1890.....	6,536	1,051	39,826	....	....	4,767	92	52,271

VALUE OF U. S. PETROLEUM EXPORTS—BY PRODUCTS— BY YEARS, 1871-1949—Continued

(Thousands of Dollars)

Year	Crude Oil	Gasoline and Motor Fuel	Kerosine	Gas Oil and Distillate Fuel Oils ²	Residual Fuel Oils ²	Lubricating Oils ⁴	All Other Petroleum Products ³	Total Petroleum Products
1889.....	6,134	1,208	41,215	....	....	4,639	97	53,293
1888.....	5,455	1,083	37,236	....	....	4,215	116	48,106
1887.....	5,142	1,049	37,007	....	....	3,559	141	46,899
1886.....	5,068	1,265	39,013	....	....	2,689	110	48,145
1885.....	6,041	1,161	39,476	....	....	2,659	335	49,672
1884.....	6,103	1,133	39,451	....	....	2,443	328	49,457
1883.....	4,439	1,195	39,470	....	....	2,193	465	47,763
1882.....	3,373	1,304	37,636	....	....	2,034	275	44,623
1881.....	3,089	1,981	42,123	....	....	1,166	197	48,556
1880.....	2,772	1,345	29,048	....	....	1,142	199	34,506
1879.....	2,069	1,368	32,812	....	....	713	273	37,235
1878.....	2,170	1,077	36,856	....	....	698	221	41,022
1877.....	3,267	1,940	51,366	....	....	578	390	57,540
1876.....	3,344	1,502	44,089	....	....	370	239	49,545
1875.....	1,739	1,392	28,169	....	....	266	170	31,735
1874.....	1,428	997	30,169	....	....	270	178	33,042
1873.....	2,665	1,267	41,358	....	....	517	118	45,925
1872.....	2,761	1,307	29,456	....	....	180	57	33,762
1871.....	2,172	896	33,493	....	....	92	10	36,664

¹ Preliminary.

² Included with "miscellaneous products" prior to 1913.

³ Includes paraffin wax, petroleum asphalt, petroleum coke, lubricating greases, mineral spirits, natural gasoline from 1932 through 1949; liquefied petroleum gases, 1936 through 1949; petroleum jelly, 1940 through 1949; natural gas, 1942 through 1949.

⁴ Includes lubricating greases after 1939.

Authority: Bureau of Foreign and Domestic Commerce; Bureau of the Census.

U. S. Petroleum Imports at All-Time High in 1949

U. S. IMPORTS OF CRUDE OIL AND PRODUCTS, BY YEARS, 1935-1949

Product and Foreign-Trade Classification Codes		(Barrels)							
	1949 ¹	1948	1947	1946	1945	1944	1943	1942	
Crude oil:									
For domestic use (5052).....	154,826,175	128,587,494	103,967,668	91,459,427	74,126,732	44,846,257	13,802,837	13,539,651	
In bond (5053).....	.....	.....	.....	.....	.....	.....	.....	.....
Total crude oil.....	154,826,175	128,587,494	103,967,668	91,459,427	74,126,732	44,846,257	13,802,837	13,539,651	
Residual fuel oil:									
For domestic use—									
Topped crude (5087.3).....	52,674,521	108,292	8,785	332	358	9,937	365,763	588,949	
Other (5082).....	24,724,697	29,937,421	56,120,160	45,517,608	34,106,315	37,430,924	29,111,028	11,864,620	
In bond (5083) ⁶.....	.....	26,426,297	105,000	840	.....	662,755	.....	5,246,376
Total residual fuel oil.....	77,399,218	56,472,010	56,233,945	45,518,780	34,106,773	37,103,616	29,476,791	17,699,945	
Gas oil and distillates:									
For domestic use (5057.0).....	2,365,258	2,333,926	4,166,037	8,934,237	20,469,453	12,857,850	16,183,602	2,666,636	
In bond (5057.014, 5058.0).....	.....	217,977	.....	.....	.....	.....	110,251	1,141,659
Total gas oil and distillates.....	2,365,258	2,551,903	4,166,037	8,934,237	20,469,453	12,857,850	16,293,853	3,808,295	
Unfinished distillates:									
For domestic use (5067.1).....	4,409,965	69,949	120,753	23,417	438	.....	265	3,681
In bond (5068.1).....	.....	.....	.....	.....	.....	.....	832,031	2,583,855
Total unfinished distillates.....	4,409,965	69,949	120,753	23,417	438	.....	832,296	2,587,536
Other refined products (liquid products only):									
For domestic use.....	124,679	873,437	1,136,150	705,715	4,698,585	5,701,678	7,722,131	1,684,172	
In bond.....	.....	.....	.....	.....	.....	.....	.....	.....
Total other refined products ⁵	124,679	873,437	1,136,150	705,715	4,698,585	5,701,678	7,722,131	1,684,172	
Total liquid refined products.....	84,299,120	59,967,299	61,656,885	55,182,149	59,275,249	55,663,144	54,325,071	25,779,948	
Total crude oil and liquid products.....	239,125,295	188,554,793	165,624,553	146,641,576	133,401,981	100,509,401	68,127,908	39,319,599	

U. S. IMPORTS' OF CRUDE OIL AND PRODUCTS, BY YEARS, 1935-1949—Continued

Product and Foreign-Trade Classification Codes	(Barrels)				
	1941	1940	1939	1938	1937
Crude oil:					
For domestic use (5052).....	51,814,112	41,557,492	28,561,779	22,449,012	25,395,449
In bond (5053).....	215,000	1,527,928	5,544,472	3,599,245	1,914,918
Total crude oil.....	52,029,112	43,085,420	34,106,251	26,048,257	27,310,367
Residual fuel oil:					
For domestic use—					
Topped crude (5067.3).....	2,400,939	5,142,094	5,212,505 ⁴	7,084,295	7,105,698
Other (5062).....	23,464,195	19,402,653	16,501,586 ⁴	18,230,792	22,547,099
In bond (5063) ⁵	11,369,738	10,582,273	21,714,091 ⁴	25,315,087	29,652,797
Total residual fuel oil.....	37,234,872	35,127,020			
Gas oil and distillates:					
For domestic use (5057.0).....	3,925,171	3,151,030	185,819	167,556	263,353
In bond (5057.014, 5058.0).....	1,510,453	1,107,850	497,789	682,515	563,570
Total gas oil and distillates.....	5,435,624	4,258,880	683,608	850,071	826,923
Unfinished distillates:					
For domestic use (5067.1).....	23,252	5,887	2,778,875 ⁴	334,867	250,476
In bond (5068.1).....	4,637,532	816,761	2,022,451 ⁴	1,322,471	1,946,409
Total unfinished distillates.....	4,660,784	824,648	4,801,326 ⁴	1,657,338	2,196,885
Other refined products (liquid products only):					
For domestic use.....	872,152	316,273	150,626	10,923	15,956
In bond.....	360,728	896	.....	3,998	.....
Total other refined products ⁶	1,232,880	317,169	150,626	14,921	15,956
Total liquid refined products.....	48,564,160	40,527,717	27,349,651	27,837,417	32,692,561
Total crude oil and liquid products.....	100,593,272	83,613,137	61,455,902	53,885,674	60,002,928

¹ Preliminary.

² Does not include imports from U. S. non-contiguous territories, which are included in import totals of the Bureau of Mines.

³ Principally bonded supplies for vessels.

⁴ Topped crude oil in 1939 included inseparably with unfinished distillates; estimated 4,000,000 bbl imported has been subtracted from unfinished distillates, added to residual fuel oil—3,000,000 bbl from domestic, 1,000,000 bbl from bonded.

⁵ Not including wax, petroleum jelly, solid asphalt, and other solid products.

Authority: Bureau of the Census; Bureau of Foreign and Domestic Commerce

Venezuela Supplies Major Portion of U. S. Crude Imports for Two Decades

U. S. IMPORTS OF CRUDE OIL, BY COUNTRIES AND BY YEARS, 1913-1949¹

(Barrels)

Year	Colombia	Ecuador	Iraq	Iran	Kuwait	Mexico	Netherlands West Indies	Saudi Arabia	Trinidad and Tobago	Venezuela	Other Coun- tries	Total Imports
1949 ¹	11,424,841	.....	343,880	1,356,009	23,075,548	4,249,767	.....	12,459,937	89,173	101,824,870	370	154,824,375
1948.....	8,648,875	.....	655,760	3,348,757	7,430,606	3,928,133	.....	10,694,710	.....	93,850,822	523	128,557,486
1947.....	11,678,955	.....	.....	.....	228,843	5,808,595	.....	390,968	.....	81,064,787	111,871	99,283,819
1946.....	10,067,523	.....	.....	.....	114,876	2,961,121	36,621	.....	98	75,928,390	927	89,109,556
1945.....	8,388,832	.....	26	340	.....	2,476,534	.....	.....	68	63,112,415	25,598	74,003,813
1944.....	7,544,747	.....	.....	277	.....	587,268	.....	.....	.....	36,713,943	22	44,846,257
1943.....	3,093,574	.....	.....	.....	.....	1,371,047	.....	.....	10	9,338,206	.....	13,802,837
1942.....	3,001,441	.....	.....	.....	.....	3,413,573	.....	.....	.....	7,124,403	234	13,539,651
1941.....	3,388,789	107,136	2,709	.....	.....	9,642,023	.....	.....	.....	38,887,198	9	52,029,112
1940.....	451,272	.....	.....	.....	.....	12,260,666	.....	.....	22	30,373,223	230	43,085,420
1939.....	1,166,439	.....	.....	.....	.....	5,046,707	.....	1,497	61,496	27,830,072	40	34,106,251
1938.....	.....	.....	.....	.....	.....	2,483,649	.....	.....	.....	23,563,674	934	26,048,257
1937.....	430,779	.....	.....	.....	.....	3,511,923	.....	.....	180,667	23,186,916	82	27,310,367
1936.....	72,000	.....	.....	.....	.....	4,459,000	.....	.....	.....	28,426,000	.....	32,957,000
1935.....	4,293,000	.....	.....	.....	.....	3,454,000	.....	.....	.....	24,597,000	.....	32,344,000
1934.....	4,339,000	80,000	.....	.....	.....	5,886,000	.....	.....	23,000	25,304,000	139,000	35,771,000
1933.....	7,688,000	858,000	.....	.....	.....	5,866,000	.....	.....	241,000	17,218,000	53,000	31,924,000
1932.....	10,550,000	938,000	.....	.....	.....	7,147,000	.....	.....	92,000	25,645,000	328,000	44,700,000
1931.....	12,329,000	915,000	.....	.....	.....	8,207,000	4,103,000	.....	349,000	21,122,000	.....	47,250,000
1930.....	14,204,000	1,215,000	.....	.....	.....	10,093,000	9,780,000	.....	228,000	25,299,000	29,000	62,129,000
1929.....	12,820,000	1,279,000	.....	.....	.....	12,663,000	16,222,000	.....	213,000	34,431,000	51,000	78,933,000
1928.....	11,838,000	765,000	.....	.....	.....	17,584,000	24,989,000	.....	497,000	21,987,000	883,000	79,767,000
1927.....	7,962,000	.....	.....	.....	.....	26,019,000	10,136,000	.....	454,000	11,424,000	502,000	58,383,000
1926.....	3,621,000	144,000	.....	.....	.....	40,398,000	7,088,000	.....	404,000	5,197,000	486,000	60,382,000
1925.....	.....	.....	.....	.....	.....	55,049,000	3,273,000	.....	254,000	1,418,000	5,000	61,824,000
1924.....	.....	.....	.....	.....	.....	73,979,000	1,186,000	.....	181,000	.....	.....	77,775,000
1923.....	.....	.....	.....	.....	.....	79,495,000	810,000	.....	154,000	.....	2,000	82,015,000
1922.....	.....	.....	.....	.....	.....	126,195,000	.....	.....	238,000	12,000	863,000	127,308,000
1921.....	.....	.....	.....	.....	.....	125,294,000	.....	.....	69,000	.....	2,000	125,365,000
1920.....	.....	.....	.....	.....	.....	106,163,000	.....	.....	.....	.....	12,000	106,175,000
1919.....	.....	.....	.....	.....	.....	52,751,000	.....	.....	49,000	.....	21,000	52,821,000
1918.....	.....	.....	.....	.....	.....	32,063,000	.....	.....	.....	.....	21,000	32,084,000
1917.....	.....	.....	.....	.....	.....	24,284,000	.....	.....	195,000	.....	31,000	24,633,000
1916.....	.....	.....	.....	.....	.....	19,857,000	.....	.....	584,000	.....	5,000	20,699,000
1915.....	.....	.....	.....	.....	.....	15,175,000	.....	.....	50,000	.....	6,000	15,564,000
1914.....	.....	.....	.....	.....	.....	17,564,000	.....	.....	348,000	.....	1,000	18,406,000
1913.....	.....	.....	.....	.....	.....	11,601,000	.....	.....	158,000	.....	.....	12,158,000

¹ Preliminary.

² Does not include imports from U. S. non-contiguous territories, which are included in import totals of the Bureau of Mines.

³ Data for 1918 and prior years are for fiscal years.

Authority: Bureau of the Census.

Service Stations' Share of Total Retail Sales Rises Steadily

RETAIL SALES BY U. S. SERVICE STATIONS²

(Thousands of Dollars)

Year	Sales by Service Stations ³	All Other Retail Trade	Total Retail Sales	Service Stations (Per Cent of Total Sales)
1949.....	6,363,000	121,821,000	128,184,000	4.96
1948.....	6,325,000	123,626,000	129,951,000	4.87
1947.....	5,193,000	113,135,000	118,328,000	4.39
1946.....	4,065,000	96,722,000	100,787,000	4.03
1945.....	3,016,000	73,648,000	76,664,000	3.93
1944.....	2,604,000	66,969,000	69,573,000	3.74
1943.....	2,453,000	61,268,000	63,721,000	3.85
1942.....	3,021,000	54,531,000	57,552,000	5.25
1941.....	3,454,000	52,036,000	55,490,000	6.22
1940.....	2,954,000	43,434,000	46,388,000	6.37
1939.....	2,822,000	39,220,000	42,042,000	6.71
1938.....	2,404,000	32,886,000	35,290,000	6.81
1937.....	2,478,000	37,452,000	39,930,000	6.21
1936.....	2,263,000	35,677,000	37,940,000	5.96
1935.....	1,967,714	30,823,498	32,791,212	5.93
1934.....	1,750,000	27,438,000	29,188,000	6.00
1933.....	1,532,000	23,505,000	25,037,000	6.12
1932.....	1,665,000	23,932,000	25,597,000	6.50
1931.....	1,827,000	33,587,000	35,414,000	5.16
1930.....	2,265,000	40,584,000	42,849,000	5.29
1929.....	1,787,423	46,542,229	48,329,652	3.69

² Gasoline and lubricating-oil tax collections are included in service-station sales. Service stations increasingly are selling other than petroleum products, and these sales are included in service-station sales. Not included are sales of gasoline and lubricating oils at several thousand secondary outlets not classified as service stations; nor are included non-retail sales to bulk users. In 1929 service stations sold 82.6 per cent of the gasoline and oil sold by all retail outlets; remainder was sold by secondary outlets. Also, of 1929 service-station sales, 85 per cent were gasoline and oil; remainder was other merchandise.

³ Beginning with 1939, these sales have been for "filling stations."

Authority: Bureau of the Census through 1938; 1939 on from *Survey of Current Business*, Department of Commerce.

NUMBER OF U. S. SERVICE STATIONS, AND SALES COMPARED WITH ALL RETAIL SALES—BY STATES—1929, 1935, 1939, AND 1948¹

(Sales in Thousands of Dollars)

State	All Retail Establishments							
	Number of Establishments				Sales			
	1948 ¹	1939	1935	1929	1948 ¹	1939	1935	1929
Alabama	28,669	23,916	21,351	20,456	1,631,403	435,973	334,223	518,972
Arizona	8,023	6,242	4,939	4,766	653,321	162,003	118,874	193,818
Arkansas	22,204	20,328	17,653	17,167	1,079,050	298,301	238,809	406,206
California	120,690	112,428	95,670	80,788	10,979,997	3,187,809	2,296,679	3,142,643
Colorado	15,354	16,785	13,504	13,139	1,252,585	409,103	298,156	457,413
Connecticut	26,478	25,873	23,626	21,337	1,974,576	717,262	550,391	757,731
Delaware	4,418	4,544	4,257	3,527	381,765	110,052	76,019	101,861
District of Columbia	7,074	6,893	6,341	5,815	1,107,732	402,768	329,034	332,393
Florida	35,299	28,614	23,573	21,293	2,335,965	614,464	421,934	493,886
Georgia	35,471	32,870	30,355	27,640	2,086,256	624,765	481,197	627,171
Idaho	7,315	6,804	5,553	4,624	581,976	175,873	137,855	165,352
Illinois	103,147	109,132	95,033	93,432	8,778,978	2,857,646	2,152,432	3,658,560
Indiana	44,537	47,317	40,318	39,402	3,520,507	1,065,385	771,377	1,200,458
Iowa	33,572	39,024	36,768	30,933	2,553,851	822,905	640,621	956,008
Kansas	25,614	27,545	25,753	24,045	1,683,517	473,551	441,121	730,228
Kentucky	29,799	30,919	28,139	25,927	1,677,541	520,135	382,761	577,929
Louisiana	29,502	25,469	22,615	22,559	1,666,671	486,250	341,911	489,755
Maine	11,759	13,455	11,936	10,453	749,712	281,356	226,911	300,010
Maryland	25,013	25,566	22,515	20,371	1,912,186	619,273	457,305	610,967
Massachusetts	53,312	59,217	53,606	52,661	4,258,279	1,737,680	1,446,212	2,031,839
Michigan	68,327	67,414	59,820	53,952	5,941,538	1,820,798	1,377,122	2,202,405
Minnesota	35,068	40,448	35,481	29,206	2,896,613	1,017,195	808,857	1,036,012
Mississippi	21,441	18,032	14,728	16,564	992,700	282,440	176,915	407,986
Missouri	50,444	53,196	48,581	44,586	3,538,622	1,102,503	935,027	1,422,449
Montana	8,093	8,481	7,490	6,521	600,187	222,008	185,556	238,293
Nebraska	16,827	19,330	17,990	16,682	1,313,883	397,196	354,520	553,611
Nevada	2,402	2,045	1,615	1,230	199,592	61,828	43,039	48,861
New Hampshire	7,556	7,435	6,797	6,181	469,841	183,100	149,654	180,248
New Jersey	68,849	68,851	65,688	57,780	4,470,833	1,580,401	1,206,990	1,811,257
New Mexico	7,822	6,617	4,610	3,941	475,663	125,765	87,691	116,833
New York	195,770	209,425	198,608	183,615	14,579,879	5,578,159	4,704,233	6,968,931
North Carolina	40,294	33,826	28,654	27,660	2,223,378	633,240	480,083	642,550
North Dakota	8,192	8,549	8,464	7,611	607,519	156,137	147,327	230,602
Ohio	86,473	93,241	89,303	80,155	7,343,316	2,441,392	1,940,031	2,829,354
Oklahoma	26,832	28,722	24,734	25,984	1,634,205	513,091	430,084	781,121
Oregon	17,471	16,458	14,523	13,544	1,590,621	442,160	329,636	443,303
Pennsylvania	129,538	134,543	125,109	130,631	9,030,166	3,133,377	2,463,216	3,747,788
Rhode Island	10,317	10,485	8,791	9,155	708,791	275,447	217,728	313,978
South Carolina	20,948	18,520	16,196	14,452	1,141,201	332,224	246,214	296,674
South Dakota	8,961	9,817	9,014	8,330	618,827	169,396	144,333	249,935
Tennessee	32,602	28,198	26,470	22,368	2,074,189	608,489	477,720	632,612
Texas	90,090	85,249	67,613	62,832	6,485,971	1,803,716	1,273,755	1,997,490
Utah	6,827	6,372	5,565	4,964	577,133	170,728	130,050	193,286
Vermont	5,038	5,423	4,626	4,831	334,959	123,369	96,724	148,281
Virginia	32,109	29,010	25,860	25,036	2,221,246	628,172	466,768	591,763
Washington	25,630	26,682	23,887	20,836	2,206,766	668,790	521,186	745,891
West Virginia	21,217	18,928	18,285	16,501	1,281,291	404,989	329,383	441,072
Wisconsin	46,366	47,604	42,388	38,045	3,231,155	1,064,994	862,109	1,222,409
Wyoming	3,853	4,113	3,323	2,837	307,161	100,233	81,439	101,457
U. S. total ¹	1,769,993	1,770,355	1,587,718	1,476,365	130,527,317	42,041,790	32,791,212	48,329,652

NUMBER OF U. S. SERVICE STATIONS, AND SALES COMPARED WITH ALL RETAIL SALES—BY STATES—1929, 1935, 1939, AND 1948¹ —Continued

(Sales in Thousands of Dollars)

State	Service Stations							
	Number of Establishments				Sales			
	1948 ¹	1939	1935	1929	1948 ¹	1939	1935	1929
Alabama	2,897	3,750	3,052	1,618	86,280	34,249	21,439	18,424
Arizona	1,126	1,196	827	625	40,671	15,484	8,513	8,185
Arkansas	2,401	3,037	2,600	1,807	59,357	26,061	18,170	17,993
California	14,297	15,218	12,724	8,650	593,421	242,183	153,600	137,724
Colorado	2,123	3,109	2,266	1,349	78,418	35,106	23,554	21,764
Connecticut	2,668	2,930	2,405	1,595	94,588	42,238	28,603	26,387
Delaware	434	640	505	309	16,382	8,390	4,742	4,254
District of Columbia	429	495	429	269	36,129	18,163	14,301	11,355
Florida	3,950	4,653	4,257	2,888	134,251	51,064	35,549	29,904
Georgia	4,148	5,054	4,507	2,818	120,295	49,350	34,558	26,846
Idaho	1,009	1,361	956	441	36,068	16,443	10,058	6,268
Illinois	9,164	12,097	9,385	6,008	392,505	158,156	105,463	110,482
Indiana	5,745	8,252	6,059	3,436	208,141	88,916	55,979	51,215
Iowa	4,557	6,967	6,057	2,956	153,022	72,059	56,806	48,341
Kansas	3,692	5,726	4,960	2,904	121,126	49,592	40,526	44,345
Kentucky	2,646	3,540	2,708	1,201	79,205	33,836	22,492	16,549
Louisiana	2,320	2,721	2,379	1,856	79,487	30,781	20,190	18,753
Maine	1,425	2,173	1,539	671	41,294	21,421	15,022	6,988
Maryland	2,076	2,255	1,688	939	81,475	30,444	20,979	17,081
Massachusetts	4,886	5,746	4,810	3,734	165,208	84,501	65,430	52,320
Michigan	8,526	10,941	8,722	5,375	347,888	140,975	98,646	109,069
Minnesota	4,598	6,692	5,510	2,273	173,090	78,518	59,504	46,721
Mississippi	1,999	2,203	1,965	1,612	60,635	23,674	13,817	17,116
Missouri	6,157	9,499	7,400	3,928	173,401	82,088	58,530	54,420
Montana	968	1,349	927	434	37,760	19,685	12,614	10,213
Nebraska	2,298	3,561	3,099	1,430	100,045	40,499	34,548	29,414
Nevada	348	352	211	116	14,230	6,253	2,464	1,351
New Hampshire	858	1,229	973	633	22,629	13,058	8,563	5,318
New Jersey	6,378	6,580	5,249	3,265	195,914	85,371	60,316	54,550
New Mexico	1,077	1,292	827	450	35,682	12,546	12,614	4,813
New York	12,536	15,652	12,551	8,815	441,979	219,269	157,211	140,987
North Carolina	6,164	7,782	6,485	4,032	140,200	65,331	43,269	37,825
North Dakota	938	1,539	1,253	503	38,981	15,093	14,292	10,767
Ohio	8,992	12,800	12,152	7,230	378,914	168,228	134,491	132,796
Oklahoma	3,813	6,106	5,354	4,336	100,125	47,066	38,393	49,752
Oregon	2,411	2,847	2,277	1,561	90,341	34,642	21,773	16,957
Pennsylvania	12,117	14,031	11,636	6,761	360,576	160,927	110,920	102,571
Rhode Island	1,065	1,116	820	623	30,646	15,296	9,961	8,880
South Carolina	2,519	3,214	2,736	1,684	66,905	27,591	20,349	15,212
South Dakota	1,236	2,030	1,572	686	43,179	20,173	15,603	14,848
Tennessee	3,211	3,422	3,148	1,326	112,731	43,957	31,301	18,985
Texas	11,292	15,738	12,221	8,523	349,809	150,127	93,919	94,418
Utah	1,070	1,184	887	554	40,033	16,132	9,736	8,654
Vermont	663	963	632	502	17,638	9,508	4,925	4,389
Virginia	4,083	5,083	3,892	2,116	125,686	49,625	31,754	23,611
Washington	3,550	4,413	3,628	2,457	122,659	56,306	38,287	28,415
West Virginia	2,198	2,516	2,186	1,201	64,139	26,398	19,423	17,988
Wisconsin	4,560	5,942	4,643	2,775	152,155	74,175	53,046	48,962
Wyoming	635	862	499	238	28,008	11,547	7,069	4,243
U. S. total	188,253	241,858	197,568	121,513	6,483,301	2,822,495	1,967,714	1,787,423

¹ Preliminary.

² Part of the service-station sales reported in this table is obtained from other than petroleum products, as the Bureau of Census defines a service station as a retail establishment where more than half of dollar sales is derived from petroleum products. Service-station sales also include gasoline and lubricating-oil tax collections.

Authority: Bureau of the Census.

ESTABLISHMENTS, RECEIPTS, EMPLOYMENT, AND PAYROLLS OF U. S. AUTOMOBILE REPAIR SERVICES AND GARAGES, 1939 AND 1948

Type of Establishment	Number of Establishments		Receipts (Thousands of Dollars)		Total Payroll (Thousands of Dollars)		Number of Employees (Full- and Part-Time) ¹		Active Proprietors of Unincorporated Businesses (November)	
	1948 ¹	1939	1948 ¹	1939	1948 ¹	1939	1948 ¹	1939	1948 ¹	1939
Total automobile repair services and garages—	95,544	78,881	1,561,109	440,892	355,368	97,514	153,576	96,424	101,749	80,584
Automobile repair shops:	84,875	66,178	1,272,036	315,630	274,501	66,078	117,252	65,501	94,297	71,091
General automobile repair shops.....	60,147	51,827	839,466	228,214	158,640	43,461	71,341	44,667	66,914	55,389
Battery and ignition repair and service shops.....	1,890	2,073	30,398	10,228	5,799	1,597	2,560	1,724	2,057	2,201
Glass replacement and repair shops.....	1,079	.....	20,248	.....	3,677	.....	1,526	.....	1,222	.....
Paint shops.....	2,567	1,300	32,165	6,220	9,894	1,731	4,179	1,726	2,627	1,466
Radiator repair shops.....	2,844	1,089	36,267	4,631	8,254	982	3,373	978	3,117	1,133
Tire repair shops.....	1,955	2,215	34,976	8,222	5,326	1,064	2,408	1,253	1,964	2,363
Top and body repair shops.....	10,425	6,232	188,298	44,678	58,730	13,683	22,941	12,287	11,834	7,067
Automobile repair shops, n.e.c.*:	3,968	.....	90,218	.....	24,181	.....	8,924	.....	4,362	.....
Brake repair shops.....	751	487	18,067	4,876	4,621	1,162	1,663	900	4,362	500
Wheel, axle, spring repair shops.....	1,197	413	37,602	5,040	11,675	1,572	3,986	1,105	1,311	424
Other automobile repair shops, n.e.c.....	2,020	542	34,549	3,521	7,885	826	3,265	1,853	2,229	548
Automobile rentals (without drivers).....	1,011	648	83,917	20,251	18,758	5,393	6,208	4,046	533	380
Automobile storage, parking:	8,533	11,095	190,347	102,070	55,990	25,154	25,618	25,320	5,828	8,126
Storage garages.....	2,806	4,821	115,479	70,315	35,729	18,193	14,294	16,508	1,918	3,844
Parking lots.....	5,927	6,274	74,868	31,755	20,261	6,961	11,324	8,812	3,910	4,282
Automobile services (excluding repair):	1,125	960	14,809	2,941	6,119	889	4,498	1,557	1,091	987
Automobile laundries.....	792	960	10,375	2,941	4,695	889	3,880	1,557	763	987
Automobile services, n.e.c.....	333	.....	4,434	.....	1,424	.....	618	.....	328	.....

* Not elsewhere classified.
¹ Preliminary.
² Work week ended nearest Nov. 15.

Authority: Bureau of the Census

**ESTABLISHMENTS, RECEIPTS, EMPLOYMENT, AND PAYROLLS
OF U. S. AUTOMOBILE REPAIR SERVICES AND GARAGES,
BY GEOGRAPHIC DIVISIONS AND STATES, 1948¹**

Division or State	Number of Establish- ments	Receipts (Thousands of Dollars)	Total Payroll (Thousands of Dollars)	Unincorporated Businesses	
				Active Proprietors, November 1948	Unpaid Family Members, November 1948
New England	5,773	98,247	21,747	5,883	918
Maine	679	8,790	1,730	684	126
New Hampshire	414	5,686	1,077	428	97
Vermont	315	3,529	571	338	66
Massachusetts	2,540	49,108	11,567	2,518	347
Rhode Island	509	7,353	1,709	520	76
Connecticut	1,316	23,771	5,093	1,395	204
Middle Atlantic	18,883	350,704	82,567	19,952	3,199
New York	8,651	191,457	49,309	8,914	1,208
New Jersey	3,342	55,217	12,197	3,522	629
Pennsylvania	6,890	104,030	21,061	7,516	1,362
East North Central	17,406	299,351	73,916	18,253	3,246
Ohio	5,033	78,947	19,323	5,234	868
Indiana	2,562	36,708	8,027	2,706	513
Illinois	4,302	94,341	25,273	4,529	774
Michigan	3,719	61,647	15,811	3,892	715
Wisconsin	1,790	27,708	5,482	1,892	376
West North Central	10,469	140,899	27,448	11,313	1,996
Minnesota	1,950	29,610	5,809	2,154	337
Iowa	1,916	24,430	4,317	2,065	402
Missouri	3,021	43,446	10,005	3,133	522
North Dakota	364	3,710	540	397	48
South Dakota	410	4,324	634	448	92
Nebraska	1,160	15,508	2,595	1,278	193
Kansas	1,648	19,871	3,548	1,838	402
South Atlantic	10,962	168,828	40,498	11,508	2,196
Delaware	209	2,870	637	209	21
Maryland	1,336	22,741	4,901	1,378	227
District of Columbia	341	12,780	3,947	301	34
Virginia	1,533	24,432	5,472	1,617	292
West Virginia	777	10,348	2,289	829	176
North Carolina	1,918	23,331	5,550	2,127	435
South Carolina	1,057	12,644	2,913	1,104	204
Georgia	1,889	26,648	6,342	1,993	314
Florida	1,902	33,034	8,447	1,950	493
East South Central	5,138	70,658	15,347	5,466	1,212
Kentucky	1,395	19,418	3,805	1,555	321
Tennessee	1,547	23,293	5,497	1,588	391
Alabama	1,423	19,884	4,255	1,481	323
Mississippi	773	8,063	1,790	842	177
West South Central	10,491	135,800	29,590	11,215	2,236
Arkansas	1,076	8,770	1,774	1,187	203
Louisiana	1,210	19,137	4,456	1,250	246
Oklahoma	2,036	24,217	5,137	2,209	406
Texas	6,169	83,676	18,223	6,569	1,381
Rocky Mountain	3,667	56,462	11,385	4,024	902
Montana	417	6,592	1,181	470	89
Idaho	410	5,158	717	467	101
Wyoming	172	2,403	441	182	53
Colorado	1,081	18,911	4,142	1,170	240
New Mexico	466	5,965	1,186	510	147
Arizona	500	7,368	1,565	540	136
Utah	477	7,189	1,470	529	106
Nevada	144	2,876	683	156	30
Pacific Coast	12,755	240,160	52,870	14,135	2,637
Washington	1,844	32,158	6,762	2,061	354
Oregon	1,355	25,401	5,394	1,490	329
California	9,556	182,601	40,714	10,584	1,954
U. S. total	95,544	1,561,109	355,368	101,749	18,540

ESTABLISHMENTS, RECEIPTS, EMPLOYMENT, AND PAYROLLS OF U. S. AUTOMOBILE REPAIR SERVICES AND GARAGES, BY GEOGRAPHIC DIVISIONS AND STATES, 1948¹

—Continued

Division or State	Number of Employees, Work Week Ended Nearest:					
	March 15		July 15		November 15	
	Total	Full Work Week	Total	Full Work Week	Total	Full Work Week
New England	9,477	8,544	9,897	8,959	9,914	8,843
Maine	790	736	866	802	852	774
New Hampshire ..	482	443	534	495	528	454
Vermont	294	267	313	286	307	274
Massachusetts ..	4,947	4,431	5,108	4,615	5,171	4,586
Rhode Island ..	813	741	852	779	815	753
Connecticut ..	2,151	1,926	2,224	1,982	2,241	2,002
Middle Atlantic ..	31,529	28,972	33,560	30,939	33,899	31,119
New York	16,944	15,709	18,239	16,999	18,526	17,195
New Jersey ..	4,766	4,394	5,149	4,713	5,070	4,656
Pennsylvania ..	9,819	8,869	10,172	9,227	10,303	9,268
East North Central..	28,466	24,862	29,286	25,500	30,272	26,238
Ohio	7,893	6,906	8,118	7,198	8,466	7,348
Indiana	3,508	3,019	3,675	3,140	3,714	3,174
Illinois	8,723	7,815	8,935	8,066	9,143	8,217
Michigan	6,041	5,160	6,219	5,083	6,557	5,448
Wisconsin	2,301	1,962	2,339	2,013	2,392	2,051
West North Central..	12,093	10,964	12,390	11,240	12,659	11,434
Minnesota	2,405	2,150	2,496	2,259	2,553	2,264
Iowa	1,936	1,734	1,902	1,707	1,989	1,773
Missouri	4,390	4,067	4,556	4,225	4,558	4,224
North Dakota ..	249	221	266	234	280	243
South Dakota ..	317	281	321	286	345	310
Nebraska	1,218	1,117	1,234	1,102	1,271	1,147
Kansas	1,578	1,394	1,615	1,427	1,663	1,473
South Atlantic	19,091	17,673	19,404	18,032	20,204	18,655
Delaware	284	261	406	376	320	281
Maryland	2,207	2,018	2,245	2,069	2,321	2,095
District of Columbia..	1,575	1,476	1,548	1,432	1,600	1,497
Virginia	2,620	2,393	2,712	2,510	2,859	2,603
West Virginia ..	1,121	1,020	1,147	1,057	1,208	1,105
North Carolina ..	2,865	2,671	2,909	2,720	3,090	2,876
South Carolina ..	1,598	1,476	1,666	1,552	1,716	1,588
Georgia	3,293	3,028	3,363	3,091	3,400	3,157
Florida	3,528	3,330	3,408	3,225	3,690	3,453
East South Central	7,909	7,248	7,992	7,367	8,277	7,564
Kentucky	1,960	1,751	1,954	1,760	2,051	1,830
Tennessee	2,707	2,540	2,769	2,608	2,894	2,695
Alabama	2,204	1,995	2,266	2,084	2,321	2,168
Mississippi	1,038	962	1,003	915	1,011	931
West South Central	13,686	12,661	14,139	13,115	14,454	13,388
Arkansas	1,018	927	1,048	966	1,064	974
Louisiana	2,178	2,018	2,247	2,113	2,277	2,140
Oklahoma	2,262	2,098	2,355	2,176	2,404	2,224
Texas	8,228	7,618	8,489	7,860	8,709	8,050
Rocky Mountain	4,603	4,196	4,890	4,487	4,924	4,456
Montana	447	373	469	398	476	414
Idaho	314	291	349	323	343	318
Wyoming	175	163	190	177	189	169
Colorado	1,711	1,568	1,828	1,681	1,855	1,677
New Mexico	514	484	544	510	538	502
Arizona	620	579	604	571	647	605
Utah	620	549	681	612	654	564
Nevada	202	189	225	215	222	207
Pacific Coast	17,527	15,918	18,661	16,937	18,973	16,803
Washington	2,270	1,995	2,356	2,095	2,419	2,099
Oregon	1,813	1,673	1,940	1,809	1,967	1,799
California	13,444	12,250	14,365	13,033	14,587	12,905
U. S. total.....	144,381	131,038	150,219	136,576	153,576	138,500

ESTABLISHMENTS, RECEIPTS, EMPLOYMENT, AND PAYROLLS OF U. S. AUTOMOBILE REPAIR SERVICES AND GARAGES, BY GEOGRAPHIC DIVISIONS AND STATES, 1948 ¹

—Continued

Division or State	Payroll, Work Week Ended Nearest (Dollars):					
	March 15		July 15		November 15	
	Total	Full Work Week	Total	Full Work Week	Total	Full Work Week
New England	406,926	388,416	429,548	410,394	429,226	407,434
Maine	32,100	31,135	34,586	33,318	34,371	32,667
New Hampshire	19,550	18,878	22,070	21,368	20,992	19,164
Vermont	10,860	10,281	11,930	11,322	11,740	10,979
Massachusetts	217,056	206,289	226,806	216,222	227,328	215,572
Rhode Island	31,809	30,664	33,737	32,604	32,208	31,148
Connecticut	95,551	91,169	100,419	95,560	102,587	97,904
Middle Atlantic	1,507,778	1,460,018	1,625,361	1,572,642	1,655,027	1,598,401
New York	884,561	860,559	958,113	931,420	979,181	950,952
New Jersey	226,220	217,852	247,002	237,035	245,053	235,423
Pennsylvania	396,997	381,607	420,246	404,187	430,793	412,026
East North Central.....	1,335,873	1,271,322	1,403,304	1,335,904	1,457,685	1,384,579
Ohio	354,306	338,419	378,422	362,876	395,369	376,691
Indiana	150,228	143,479	160,088	151,178	164,205	155,217
Illinois	433,229	413,745	453,547	433,766	468,950	449,201
Michigan	296,196	279,975	304,021	287,062	318,469	299,111
Wisconsin	101,914	95,704	107,226	101,022	110,692	104,359
West North Central.....	511,748	490,553	540,133	516,963	555,640	533,199
Minnesota	103,738	99,458	114,256	109,753	116,463	111,341
Iowa	80,531	77,171	81,298	77,596	85,512	81,585
Missouri	186,847	180,053	197,823	190,927	200,906	194,736
North Dakota	10,422	9,838	11,844	11,059	11,954	11,233
South Dakota	12,252	11,571	13,002	12,262	14,231	13,609
Nebraska	50,888	48,704	51,581	48,571	54,066	51,722
Kansas	67,070	63,758	70,329	66,795	72,508	68,973
South Atlantic	771,475	744,941	796,868	770,406	834,271	804,200
Delaware	11,454	11,234	12,743	12,381	12,992	12,369
Maryland	92,941	89,886	97,748	94,666	99,201	95,361
District of Columbia	74,933	73,093	76,969	74,647	77,984	75,829
Virginia	99,899	95,185	105,805	101,906	114,035	108,764
West Virginia	43,252	41,756	46,281	44,855	49,861	48,057
North Carolina	105,961	102,227	110,154	106,725	116,393	112,342
South Carolina	54,716	52,862	57,205	55,356	60,631	58,674
Georgia	120,658	115,888	126,446	121,260	127,526	122,880
Florida	167,661	162,810	163,517	158,610	175,648	169,924
East South Central.....	295,605	284,179	303,437	293,019	318,858	307,149
Kentucky	73,980	70,270	74,625	71,330	78,866	75,216
Tennessee	102,533	99,278	106,977	103,861	113,896	110,192
Alabama	82,219	78,944	86,055	83,292	88,537	85,445
Mississippi	36,873	35,687	35,780	34,536	37,559	36,296
West South Central.....	552,522	533,710	589,061	569,608	612,832	591,663
Arkansas	34,110	32,578	36,158	34,759	37,119	35,545
Louisiana	82,481	80,114	86,992	84,654	89,652	86,980
Oklahoma	95,258	92,315	103,186	99,963	106,499	103,014
Texas	340,373	328,703	362,725	350,232	379,562	366,124
Rocky Mountain	213,797	205,096	235,287	225,693	235,516	223,531
Montana	21,651	19,322	23,662	20,930	24,599	21,728
Idaho	13,948	13,525	15,565	15,060	15,391	14,833
Wyoming	8,584	8,345	9,766	9,537	9,578	9,190
Colorado	77,252	74,540	86,286	83,289	87,635	83,676
New Mexico	22,508	21,952	24,407	23,716	24,545	23,830
Arizona	29,965	29,157	29,213	28,530	30,066	28,848
Utah	27,371	26,112	31,574	30,150	29,887	27,972
Nevada	12,518	12,143	14,814	14,481	13,815	13,454
Pacific Coast	980,329	944,489	1,066,487	1,024,938	1,072,395	1,024,766
Washington	127,223	119,807	136,030	128,959	141,708	132,550
Oregon	100,141	97,027	112,548	109,021	113,033	109,222
California	752,965	727,655	817,909	786,960	817,654	782,994
U. S. total.....	6,576,053	6,322,724	6,989,486	6,719,567	7,171,450	6,874,922

¹ Preliminary.

Authority: Bureau of the Census.

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. GENERAL AUTOMOBILE REPAIR SHOPS, BY GEOGRAPHIC DIVISION AND STATE, 1939 AND 1948

Division or State	Number of Establishments		Receipts (Thousands of Dollars)		Per Cent Change	Total Payroll (Thousands of Dollars)		Number of Employees ²		Active Proprietors of Unincorporated Businesses	
	1948 ¹	1939	1948 ¹	1939		1948 ¹	1939	1948 ¹	1939	1948 ¹	1939
New England	3,541	3,506	55,337	20,546	169	9,704	3,782	4,605	3,562	3,766	3,615
Maine	499	400	6,012	1,610	273	909	286	472	291	522	409
New Hampshire	319	192	4,314	1,058	308	705	155	359	164	324	209
Vermont	242	190	2,784	927	200	395	103	212	132	254	203
Massachusetts	1,414	1,820	23,873	11,557	107	4,582	2,319	2,111	2,094	1,499	1,852
Rhode Island	269	236	3,413	1,471	132	561	275	269	287	286	234
Connecticut	798	668	14,941	3,923	281	2,552	644	1,182	594	881	708
Middle Atlantic	10,210	9,718	160,999	53,710	200	30,585	10,371	13,019	9,250	11,375	10,352
New York	3,997	4,554	76,114	28,515	167	16,415	5,779	6,217	4,675	4,468	4,846
New Jersey	1,784	1,599	28,263	8,669	226	4,870	1,731	2,031	1,631	1,931	1,612
Pennsylvania	4,429	3,565	56,622	16,526	243	9,300	2,861	4,771	2,944	4,976	3,894
East North Central	10,489	9,662	148,656	41,661	257	28,919	7,916	12,003	8,005	11,557	10,354
Ohio	3,003	2,955	37,509	11,289	232	7,361	2,033	3,270	2,108	3,306	3,165
Indiana	1,690	1,436	19,659	4,118	377	3,029	704	1,459	830	1,890	1,535
Illinois	2,554	2,777	45,678	15,418	196	10,485	3,333	3,867	3,166	2,837	2,969
Michigan	1,973	1,450	28,977	6,442	350	5,719	1,258	2,265	1,240	2,237	1,550
Wisconsin	1,189	1,044	16,833	4,394	283	2,325	588	1,142	661	1,287	1,135
West North Central	7,263	7,143	85,089	22,752	274	12,966	3,567	6,405	4,232	8,124	7,728
Minnesota	1,292	1,387	17,898	5,016	257	2,746	687	1,261	701	1,501	1,565
Iowa	1,409	1,405	16,668	4,265	291	2,460	649	1,196	796	1,537	1,489
Missouri	1,957	1,743	22,282	6,355	251	3,834	1,222	1,938	1,452	2,179	1,867
North Dakota	263	237	2,362	525	350	217	57	138	83	293	248
South Dakota	280	308	2,717	775	250	314	83	193	133	307	327
Nebraska	868	654	10,413	2,445	326	1,435	418	743	472	962	925
Kansas	1,194	1,209	12,749	3,371	278	1,960	451	936	595	1,345	1,287
South Atlantic	7,643	5,494	98,774	21,796	353	21,530	5,175	11,230	6,346	8,302	5,792
Delaware	134	119	1,683	445	274	332	84	151	92	141	125
Maryland	929	727	13,085	3,706	253	2,183	744	1,074	835	1,038	792
Dist. of Columbia	131	165	3,631	2,240	62	1,199	715	454	621	1,40	177
Virginia	1,165	856	17,315	3,032	471	3,690	654	1,934	836	1,244	893
West Virginia	528	456	6,207	1,442	330	1,278	288	703	352	571	488
North Carolina	1,449	862	15,871	2,885	450	3,722	740	2,146	960	1,616	924
South Carolina	820	596	8,917	1,973	352	1,895	535	1,133	735	879	612
Georgia	1,394	979	15,761	3,398	364	3,467	857	1,921	1,204	1,504	1,007
Florida	1,093	734	16,324	2,674	510	3,761	558	1,714	711	1,169	774
East South Central	3,836	2,741	41,851	9,144	358	7,882	1,908	4,547	2,575	4,261	2,931
Kentucky	1,068	804	12,732	2,769	360	2,207	504	1,223	706	1,233	870
Tennessee	1,061	780	11,816	3,300	258	2,242	740	1,290	900	1,173	857
Alabama	1,077	723	10,968	1,968	457	2,040	434	1,254	617	1,161	740
Mississippi	630	434	6,335	1,107	472	1,393	230	780	352	694	464
West South Central	7,424	5,977	81,576	17,921	355	15,693	3,431	7,973	4,417	8,203	6,408
Arkansas	854	620	6,376	1,414	351	1,176	247	741	370	951	667
Louisiana	831	499	11,336	1,898	497	2,369	442	1,230	563	877	517
Oklahoma	1,426	1,238	13,374	3,174	321	2,575	567	1,307	792	1,599	1,317
Texas	4,313	3,620	50,490	11,435	342	9,573	2,175	4,695	2,692	4,776	3,907
Rocky Mountain	2,452	1,736	34,137	6,890	395	5,854	1,124	2,605	1,167	2,746	1,851
Montana	293	267	4,368	1,061	312	662	160	264	140	339	290
Idaho	290	171	3,401	544	525	452	53	205	70	332	180
Wyoming	110	101	1,374	335	310	187	42	87	41	122	112
Colorado	694	544	10,361	2,179	375	1,842	361	897	420	776	582
New Mexico	340	197	4,302	565	661	798	85	374	113	366	200
Arizona	330	190	4,430	1,087	308	782	240	317	209	367	209
Utah	309	210	4,282	876	389	789	151	352	143	349	221
Nevada	86	56	1,619	243	566	342	32	109	31	95	57
Pacific Coast	7,369	5,850	133,047	33,794	294	25,507	6,187	8,954	5,113	8,580	6,358
Washington	1,185	861	18,373	3,741	391	3,025	606	1,134	536	1,376	932
Oregon	885	559	15,226	3,630	319	2,906	670	1,072	596	1,004	606
California	5,299	4,430	99,448	26,423	276	19,576	4,911	6,748	3,981	6,200	4,820
U. S. total	60,147	51,827	839,466	228,214	268	158,640	43,461	71,341	44,667	66,914	55,389

¹ Preliminary.

² Work week ended nearest Nov. 15.

Authority: Bureau of the Census.

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. AUTOMOBILE STORAGE AND PARKING SERVICES, BY GEOGRAPHIC DIVISION AND STATE, 1939 AND 1948

Division or State	Number of Establishments		Receipts (Thousands of Dollars)			Total Payroll (Thousands of Dollars)		Number of Employees ^a		Active Proprietors of Unincorporated Businesses	
	1948 ¹	1939	1948 ¹	1939	Per Cent Change	1948 ¹	1939	1948 ¹	1939	1948 ¹	1939
New England	569	693	10,814	5,075	113	3,070	1,304	1,602	1,357	388	499
Maine	30	30	498	207	140	158	61	72	58	20	20
New Hampshire ..	9	10	(^b)	23	..	(^b)	5	(^b)	7	(^b)	8
Vermont	6	4	(^b)	53	..	(^b)	5	(^b)	5	(^b)	4
Massachusetts	296	373	7,023	3,136	124	1,988	846	1,020	851	169	258
Rhode Island	67	80	(^b)	676	(^c)	(^c)	180	(^b)	200	(^b)	48
Connecticut	161	196	2,222	980	127	604	207	305	236	136	161
Middle Atlantic ...	2,833	3,824	71,075	42,393	68	20,694	10,467	8,297	8,969	2,142	2,925
New York	1,849	2,469	55,763	31,516	77	16,372	7,833	5,947	6,201	1,399	1,865
New Jersey	365	419	4,652	2,726	71	1,275	659	654	718	275	310
Pennsylvania	619	936	10,660	8,151	31	3,047	1,975	1,696	2,050	468	750
East North Central.	1,684	2,378	41,523	23,367	78	12,765	5,965	6,024	6,461	1,035	1,620
Ohio	472	738	10,684	6,521	64	3,437	1,809	1,795	1,968	293	553
Indiana	166	207	3,851	1,916	101	1,284	538	760	668	84	111
Illinois	435	627	18,043	9,795	84	5,133	2,273	2,084	2,309	290	459
Michigan	518	679	7,418	4,406	68	2,417	1,166	1,123	1,312	302	388
Wisconsin	93	127	1,527	729	109	494	179	262	204	66	109
West North Central.	595	820	10,655	4,851	120	3,205	1,193	1,627	1,499	364	614
Minnesota	128	195	2,502	1,268	97	735	313	382	336	73	142
Iowa	43	72	916	500	83	283	116	132	135	27	60
Missouri	338	440	6,080	2,651	129	1,886	676	948	883	192	319
North Dakota ...	2	5	(^b)	..	..	(^b)	..	(^b)	(^b)	(^b)	..
South Dakota ...	4	3	(^b)	338	..	(^c)	72	..	102	(^b)	41
Nebraska	29	50	506	..	..	124	..	67	..	18	..
Kansas	51	55	608	94	547	170	16	91	43	47	52
South Atlantic	620	732	(^b)	5,857	..	(^b)	1,405	(^b)	1,751	(^b)	487
Delaware	25	30	392	262	..	106	43	62	51	16	28
Maryland	115	179	2,200	1,152	91	689	298	371	371	45	133
Dist. of Columbia.	108	133	2,989	1,668	79	851	403	436	417	61	47
Virginia	65	54	983	432	128	249	118	188	159	47	37
West Virginia ..	30	48	411	271	52	133	64	85	91	26	40
North Carolina ..	32	31	(^b)	92	..	(^b)	19	(^b)	38	(^b)	31
South Carolina ..	32	19	275	72	282	112	16	95	30	20	10
Georgia	68	97	2,150	1,008	113	609	233	331	328	47	64
Florida	145	141	2,042	900	127	586	211	339	266	99	97
East South Central.	267	256	4,420	1,814	144	1,271	496	820	646	135	188
Kentucky	70	80	1,407	738	91	420	212	241	249	43	55
Tennessee	134	138	2,182	927	135	662	242	421	338	56	98
Alabama	60	33	811	149	..	183	42	155	59	33	35
Mississippi	3	5	20	..	..	6	..	3	..	3	..
West South Central.	596	666	(^b)	5,207	..	(^b)	1,303	(^b)	1,735	(^b)	498
Arkansas	13	14	(^b)	..	..	(^b)	..	(^b)	..	(^b)	..
Louisiana	94	110	2,146	1,073	..	648	276	353	396	61	75
Oklahoma	91	107	1,712	846	102	525	187	270	264	60	89
Texas	398	435	6,879	3,288	109	2,088	840	1,114	1,075	230	334
Rocky Mountain ...	179	187	3,010	1,153	161	812	260	382	315	140	154
Montana	1	14	(^b)	162	..	(^b)	36	(^b)	29	(^b)	15
Idaho	2	5	(^b)	(^b)	..	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)
Wyoming	2	3	(^b)	(^b)	..	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)
Colorado	105	108	1,451	600	142	383	148	184	185	87	86
New Mexico	4	2	60	70	..	6	15	4	17	6	11
Arizona	29	22	596	136	338	173	31	83	43	17	17
Utah	27	29	460	185	149	136	30	68	41	17	25
Nevada	9	4	253	(^b)	..	79	(^b)	25	(^b)	8	(^b)
Pacific Coast	1,190	1,539	26,140	12,353	112	7,425	2,761	3,133	2,587	877	1,141
Washington	139	144	3,471	1,368	154	1,119	390	401	333	103	120
Oregon	70	64	2,361	680	247	603	134	236	123	56	53
California	981	1,331	20,308	10,305	97	5,703	2,237	2,496	2,131	718	968
U. S. total	8,533	11,095	190,347	102,070	86	55,990	25,154	25,618	25,320	5,828	8,126

¹ Preliminary.

² Combined to avoid disclosure.

³ Included with New Mexico.

⁴ Includes Wyoming, Idaho, and Nevada.

⁵ Not available.

⁶ Work week ended nearest Nov. 15.

Authority: Bureau of the Census.

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. AUTOMOTIVE RETAIL STORES, BY GEOGRAPHIC DIVISIONS AND STATES, 1948¹

Division or State	Number of Stores	Sales (Thousands of Dollars)	Total Payroll (Thousands of Dollars)	Proprietors	Family Members	Total Employees	Full-Time Employees
New England	4,902	1,111,807	111,713	3,313	712	37,545	35,685
Maine	621	112,110	10,408	465	99	3,997	3,745
New Hampshire ..	375	61,315	6,087	272	86	2,440	2,315
Vermont	291	54,581	5,456	222	47	2,101	2,015
Massachusetts ...	2,110	506,820	51,924	1,340	263	17,281	16,504
Rhode Island	390	98,561	8,736	281	59	2,831	2,652
Connecticut	1,115	278,420	29,102	733	158	8,895	8,454
Middle Atlantic	13,423	3,387,472	305,220	11,148	2,459	98,570	94,628
New York	5,822	1,538,939	135,569	4,537	930	40,413	38,873
New Jersey	2,295	590,839	55,360	1,690	396	16,389	15,771
Pennsylvania	5,306	1,257,694	114,291	4,921	1,133	41,768	39,984
East North Central..	18,405	4,584,549	426,042	16,255	4,306	133,039	125,718
Ohio	4,879	1,149,490	111,775	4,075	1,131	35,765	33,733
Indiana	2,719	588,206	53,978	2,385	612	18,522	17,534
Illinois	4,642	1,254,490	115,107	4,246	1,073	34,309	32,471
Michigan	3,824	1,102,544	99,162	3,464	969	28,951	27,511
Wisconsin	2,341	489,819	46,020	2,085	521	15,492	14,469
West North Central..	11,588	2,256,574	194,788	11,569	3,062	72,178	68,449
Minnesota	2,002	457,484	42,176	1,938	448	14,419	13,699
Iowa	2,275	425,004	36,331	2,316	569	13,632	13,040
Missouri	2,837	572,897	49,671	2,878	704	18,023	17,149
North Dakota	602	114,973	9,889	643	145	3,739	3,568
South Dakota	626	109,312	8,827	615	227	3,433	3,209
Nebraska	1,137	228,034	17,989	1,217	256	7,021	6,637
Kansas	2,109	348,870	29,895	2,162	713	11,711	11,147
South Atlantic	10,136	2,381,339	228,299	8,136	1,974	85,692	82,080
Delaware	186	58,847	5,438	149	45	1,763	1,720
Maryland	928	261,621	26,865	765	188	9,073	8,494
Dist. of Columbia.	225	141,623	15,607	148	23	4,237	4,045
Virginia	1,522	359,390	34,526	1,160	253	13,703	13,122
West Virginia	974	201,186	18,417	727	207	7,081	6,711
North Carolina ...	1,907	393,912	37,792	1,539	384	15,504	14,886
South Carolina ...	1,051	210,794	18,417	855	177	7,586	7,301
Georgia	1,760	380,511	33,723	1,512	321	13,735	13,185
Florida	1,583	373,455	37,514	1,281	376	13,010	12,616
East South Central..	5,096	1,163,374	97,172	4,939	1,224	39,852	38,028
Kentucky	1,297	281,408	23,845	1,277	324	9,635	9,080
Tennessee	1,544	381,422	30,420	1,541	343	11,944	11,391
Alabama	1,242	293,616	25,580	1,168	278	10,749	10,345
Mississippi	1,013	206,928	17,327	953	279	7,524	7,212
West South Central..	10,240	2,048,007	172,814	10,257	2,703	66,969	64,345
Arkansas	1,177	214,869	17,237	1,181	317	7,236	7,006
Louisiana	1,136	276,834	24,789	1,072	248	9,780	9,458
Oklahoma	2,061	336,370	27,311	2,111	559	10,894	10,547
Texas	5,866	1,219,934	103,477	5,893	1,579	38,959	37,334
Rocky Mountain ...	3,898	807,862	78,454	3,771	940	27,984	25,590
Montana	520	107,379	10,191	465	107	3,752	3,507
Idaho	517	107,048	10,522	504	138	3,871	3,697
Wyoming	339	62,522	5,922	320	93	2,135	2,051
Colorado	1,042	217,772	21,013	1,040	265	7,339	7,013
New Mexico	432	83,531	8,520	427	102	3,195	3,058
Arizona	467	100,322	10,261	459	135	3,497	3,344
Utah	426	93,184	8,811	412	67	3,257	3,029
Nevada	155	36,104	3,214	144	33	938	891
Pacific Coast	8,474	2,363,070	251,874	8,259	1,885	71,724	69,001
Washington	1,390	357,054	40,977	1,334	349	11,810	11,296
Oregon	1,029	283,021	27,068	1,110	272	8,543	8,195
California	6,055	1,722,995	183,829	5,815	1,264	51,371	49,510
U. S. total.....	86,162	20,104,054	1,866,376	77,647	19,265	633,553	604,524

¹ Preliminary.

Authority: Bureau of the Census.

Permits for Service-Station Construction Continue Increase in 1950 ESTIMATED NUMBER AND VALUATION OF SERVICE STATIONS AUTHORIZED IN URBAN AREAS, BY REGION AND STATE: 1946-1949 BY YEAR, AND FIRST 6 MONTHS OF 1949 AND 1950 ²

(Permit Valuation in Thousands of Dollars)

Region and State	First 6 Months 1950		First 6 Months 1949		1949		1948		1947		1946	
	Number	Valuation	Number	Valuation	Number	Valuation	Number	Valuation	Number	Valuation	Number	Valuation
New England	209	2,176	116	1,028	304	2,907	214	2,039	401	3,062	347	2,321
Connecticut	41	294	16	186	52	496	50	382	69	603	100	600
Maine	27	222	6	54	15	153	12	108	19	123	10	81
Massachusetts	93	1,174	63	580	167	1,644	106	1,197	190	1,644	158	1,149
New Hampshire	17	194	10	67	27	241	15	154	11	93	16	105
Rhode Island	30	282	21	141	43	373	27	186	108	553	59	367
Vermont	1	10	(³)	(³)	(³)	(³)	4	32	4	46	4	19
Middle Atlantic	365	4,080	281	2,729	681	6,422	535	4,943	770	5,033	749	4,959
New Jersey	88	839	85	818	152	1,550	159	1,602	228	1,817	252	1,814
New York	130	1,697	122	1,306	318	2,968	238	2,156	300	1,351	237	1,445
Pennsylvania	147	1,544	74	605	211	1,904	138	1,185	242	1,865	260	1,700
East North Central	542	6,258	409	4,893	954	11,187	527	6,437	569	4,780	614	4,383
Illinois	128	1,580	80	1,043	236	2,675	102	1,231	102	907	112	772
Indiana	59	705	62	449	139	1,125	77	743	73	759	115	414
Michigan	151	1,622	98	1,188	220	2,692	126	1,610	161	1,312	160	1,228
Ohio	149	1,732	125	1,928	248	3,780	153	2,029	188	1,467	176	1,665
Wisconsin	55	619	44	285	111	915	69	794	45	335	51	304
West North Central	247	2,484	110	807	266	2,007	166	1,414	231	1,101	341	1,433
Iowa	64	554	25	118	54	401	17	198	75	238	56	148
Kansas	38	273	13	96	37	264	28	159	36	108	33	162
Minnesota	38	435	26	266	66	626	30	302	30	229	41	248
Missouri	59	651	33	192	67	387	68	567	36	174	137	607
Nebraska	21	275	5	46	24	148	10	65	30	168	45	130
North Dakota	8	90	4	35	12	65	4	54	11	116	3	2
South Dakota	19	206	4	54	16	116	9	69	13	68	26	136
South Atlantic	330	2,997	280	2,875	579	5,665	359	3,493	482	3,243	497	2,312
Delaware	2	31	(³)	(³)	1	23	1	5	1	12	3	22
District of Columbia	6	76	9	238	15	340	9	138	2	23	7	53
Florida	63	572	88	930	165	1,691	118	1,267	142	984	119	622
Georgia	50	359	44	398	95	657	24	160	86	489	74	370
Maryland	22	292	26	261	49	476	30	340	49	465	53	280
North Carolina	87	722	47	380	111	942	74	570	89	532	89	393
South Carolina	36	293	24	251	57	584	31	317	19	65	34	153
Virginia	47	469	28	215	65	677	49	531	74	497	76	684
West Virginia	17	183	14	212	20	275	23	165	20	176	42	235
East South Central	97	942	109	769	207	1,718	100	850	192	727	239	969
Alabama	45	361	42	291	88	588	29	188	60	258	61	188
Arkansas	12	119	18	168	32	331	13	135	19	124	55	324
Kentucky	11	115	13	41	15	49	13	132	66	160	25	122
Mississippi	11	347	36	269	72	750	45	395	47	185	98	335
Tennessee	29											

ESTIMATED NUMBER AND VALUATION OF SERVICE STATIONS AUTHORIZED IN URBAN AREAS, BY REGION AND STATE: 1946-1949 BY YEAR, AND FIRST 6 MONTHS OF 1949 AND 1950²—Continued

(Permit Valuation in Thousands of Dollars)

Region and State	First 6 Months 1950		First 6 Months 1949		1949		1948		1947		1946	
	Number	Valuation	Number	Valuation	Number	Valuation	Number	Valuation	Number	Valuation	Number	Valuation
West South Central.....	345	3,633	195	1,947	465	4,760	367	3,182	430	2,174	466	2,000
Arkansas	29	280	5	21	25	189	7	32	41	167	16	71
Louisiana	17	180	9	92	33	591	31	257	15	70	44	168
Oklahoma	27	226	14	82	33	199	41	292	55	201	108	135
Texas	272	2,958	167	1,752	374	3,781	288	2,601	319	1,736	298	1,626
Mountain	113	1,115	66	572	125	1,277	132	1,332	180	1,203	133	828
Arizona	16	127	7	38	14	79	27	223	24	304	27	40
Colorado	13	93	23	298	37	546	33	306	18	112	17	28
Idaho	11	135	7	51	13	131	10	157	24	112	22	147
Montana	17	215	1	17	11	132	14	192	31	134	10	42
Nevada	(³)	(³)	1	8	2	36	2	30	17	113	(³)	(³)
New Mexico	30	213	14	87	25	168	11	124	26	142	15	64
Utah	19	249	9	47	17	124	30	246	33	279	38	490
Wyoming	7	83	4	26	6	61	5	54	7	7	4	17
Pacific	307	2,404	267	2,073	593	4,698	793	6,133	704	4,133	644	3,383
California	236	1,781	200	1,464	442	3,338	602	4,186	548	3,122	538	2,717
Oregon	34	370	35	319	83	772	80	858	54	340	44	223
Washington	37	313	32	290	68	588	111	1,089	102	671	62	443
U. S. total.....	2,555	26,149	1,833	17,693	4,174	40,641	3,193	29,823	3,959	25,456	4,030	23,088

² Gasoline and service-station construction within urban places. Urban, as defined by the Bureau of the Census, covers all incorporated places of 2,500 population or more in 1940 and, by special rule, a small number of unincorporated civil divisions. Building outside of these city limits is excluded.

³ None reported.

Authority: Bureau of Labor Statistics.

Service-Station Building Cost Soars

BUILDING PERMITS ISSUED² FOR SERVICE STATIONS IN U. S. CITIES, BY YEARS, 1931-1949

Year	Number of Cities Reporting ³	Number of Permits	Indicated Cost of Construction	Average Cost Per Station
1949.....	(³)	4,174	\$40,641,000	\$9,737
1948.....	(³)	3,193	29,823,000	9,340
1947.....	(³)	3,959	25,456,000	6,430
1946.....	(³)	4,030	23,088,000	5,729
1945.....	(³)	1,522	9,051,000	5,947
1944.....	(³)	291	1,273,000	4,375
1943.....	2,707	179	817,000	4,564
1942.....	2,707	512	1,871,000	3,654
1941.....	2,449	4,839	20,980,855	4,336
1940.....	2,449	5,072	23,047,230	4,544
1939.....	2,131 ⁴	4,528	17,400,813	3,843
1938.....	1,790	4,175	14,859,178	3,559
1937.....	1,790	4,518	16,828,869	3,725
1936.....	1,728	4,419	14,784,527	3,346
1935.....	811	3,642	11,098,439	3,047
1934.....	819	3,002	9,520,811	3,171
1933.....	819	3,057	7,062,800	2,310
1932.....	355	3,249	6,728,645	2,071
1931.....	355	3,884	10,500,297	2,703

² Although building permits (indicating only intention to build) are not always an accurate index of actual construction for some types of buildings, it is believed that almost all service-station permits result in construction. These permits cover incorporated municipalities only; no data or estimates available on service-station construction in non-incorporated areas.

³ For 1939 through 1941, cities over 1,000 population; for 1936 through 1938, and 1942 through 1949, cities of more than 2,500; for 1933 through 1935, cities of more than 10,000; for 1931 through 1932, cities of more than 25,000.

⁴ Maximum number reporting in any month; figures derived from monthly reports, with number of reporting cities ranging from 2,005 to 2,131.

Authority: Bureau of Labor Statistics.

\$132 Million Spent for Gasoline Pumps, 1946-1949

U. S. SALES OF GASOLINE PUMPS, BY YEARS, 1934-1949

Year	Number of Pumps Sold			Sales			
	Com- puting Pumps	Non-com- puting Pumps	Total Pumps	Com- puting Pumps	Non-com- puting Pumps	Lubricating Equipment; and Parts and Repairs	Total Sales
1949.....	78,797	5,156	83,953	\$26,682,840	\$1,269,935	\$6,653,666	\$34,606,441
1948.....	74,705	4,169	78,874	22,394,772	1,040,468	6,430,115	29,865,355
1947.....	185,830	4,396	190,226	50,951,266	1,075,265	9,913,255	61,939,786
1946.....	111,002	1,082	112,084	28,407,899	251,406	8,704,442	37,363,747
1945.....	12,988	472	13,460	2,987,462	89,981	3,661,175	6,738,618
1944.....	4,408	759	5,167	974,698	135,187	1,582,416	2,692,301
1943.....	1,634	1,113	2,747	353,593	197,292	1,067,519	1,618,404
1942.....	11,882	2,166	14,048	2,560,079	392,696	2,070,233	5,023,008
1941.....	106,898	6,709	113,607	22,296,261	1,122,222	2,958,244	26,376,727
1940.....	95,024	8,981	104,005	19,953,492	1,243,992	2,549,656	23,747,140
1939.....	91,708	18,519	110,227	19,184,349	1,696,661	2,411,839	23,292,849
1938.....	87,293	17,944	105,242	18,894,302	2,096,903	2,420,933	23,412,138
1937.....	119,275	24,404	143,679	24,311,608	2,770,580	2,939,064	30,021,252
1936.....	74,294	22,812	97,106	15,691,847	2,659,295	2,349,317	20,700,459
1935.....	40,057	19,176	59,233	8,233,128	2,202,638	2,170,693	12,606,459
1934.....	13,418	19,825	33,243	2,535,713	2,390,248	1,882,577	6,808,538

Authority: Gasoline Pump Manufacturers' Association.

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS IN THE U. S. WHOLESALE MARKETING OF PETROLEUM PRODUCTS, 1929, 1933, 1935, 1939, AND 1948

Type	Service and Limited Function Whole- salers	Manu- facturers' Sales Branches (With Stocks)	Manu- facturers' Sales Offices (Without Stocks)	Petroleum Bulk Stations and Terminals	Agents and Brokers	Total
1948 ¹						
Number of establishments.....	1,196	27	(²)	29,451	124	(²)
Sales (thousands of dollars).....	750,220	24,180	(²)	10,615,650	373,605	(²)
Number of active proprietors of unincorporated businesses	705	3	(²)	23,952	74	(²)
Number of employees ³	8,628	411	(²)	111,777	384	(²)
Total payrolls (thousands of dollars)	30,807	1,619	(²)	345,847	2,432	(²)
1939						
Number of establishments.....	1,275	56	21	30,825	146	32,323
Sales (thousands of dollars).....	196,734	21,262	19,620	3,807,908	91,930	4,137,454
Number of active proprietors of unincorporated businesses	817	...	...	23,061	88	23,966
Number of employees.....	6,530	894	306	98,816	366	106,932
Total payrolls (thousands of dollars)	11,525	2,236	992	156,366	1,128	172,247
1935						
Number of establishments.....	674	56	25	27,333	109	28,197
Sales (thousands of dollars).....	132,399	18,175	46,880	2,704,047	72,733	2,974,234
Number of active proprietors of unincorporated businesses	389	....	1	3,546	63	3,999
Number of employees.....	4,437	814	955	91,159 ⁴	327	97,692
Total payrolls (thousands of dollars)	8,089	1,910	2,350	146,921 ⁴	867	160,137
1933						
Number of establishments....	1,948	121	19	26,190	155	28,433
Sales (thousands of dollars).....	235,924	25,200	55,782	1,888,675	87,330	2,292,911
Number of active proprietors of unincorporated businesses ....	....	....	....	....	....	....
Number of employees.....	10,183	932	1,233	95,962	468	108,778
Total payrolls (thousands of dollars)	15,628	1,584	2,379	153,060	1,160	173,811
1929						
Number of establishments.....	3,113	130	(⁴)	19,611	149	23,003
Sales (thousands of dollars).....	679,291	64,400	(⁴)	2,390,213	53,513	3,187,417
Number of active proprietors of unincorporated businesses ....	....	....	....	....	....	2,553
Number of employees.....	....	....	....	....	....	110,074
Total payrolls (thousands of dollars) .....	....	....	....	....	....	222,197

¹ Preliminary.

² Not available.

³ Includes independent and chain-operated bulk stations, but excludes commissioned bulk stations for which no data were available.

⁴ Manufacturers' sales offices (without stocks) are included under "manufacturers' sales branches (with stocks)."

⁵ Average number of employees, work weeks ended nearest Mar. 15, July 15, and Nov. 15.

Authority: Bureau of the Census.

Bulk-Plant and Terminal Sales Exceed \$10 Billion in 1948

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. PETROLEUM BULK STATIONS AND TERMINALS, BY TYPE, 1948¹

Type of Establishment	Number of Establishments	Operating Expenses (Including Payroll)		Active Proprietors of Unincorporated Businesses (November 1948)	Number of Employees (Full- and Part-Time) ²	Total Payroll ³ (Thousands of Dollars)	Stocks on Hand, End of Year, at Cost (Thousands of Dollars)
		Amount (Thousands of Dollars)	Per Cent of Sales				
Independent bulk stations.....	7,417	1,814,677	11.4	6,465	29,861	83,522	87,388
Commission stations	16,292	2,572,570	7.9	16,111	21,470	50,096	19,463
Salary stations	3,937	435,778	12.1	1,288	43,693	135,663	472,922
Cooperative bulk stations.....	1,061	171,569	11.9	29	4,178	11,910	13,525
Distributing terminals	744	2,450,440	3.7	59	12,575	64,656	115,907
Total petroleum bulk stations and terminals	29,451	10,615,650	9.0	23,952	111,777	345,847	709,205

¹ Preliminary.

² Average for year of work weeks ended nearest Mar. 15, July 15, and Nov. 15.

Authority: Bureau of the Census

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. PETROLEUM BULK STATIONS AND TERMINALS, BY TYPE, 1939

Type of Establishment	Number of Establishments	Operating Expenses (Including Payroll)		Active Proprietors of Unincorporated Businesses	Number of Employees (Full- and Part-Time) ²	Total Payroll (Thousands of Dollars) ³		Stocks on Hand, End of Year, at Cost (Thousands of Dollars)
		Amount (Thousands of Dollars)	Per Cent of Sales			Total	Part-Time	
Independent bulk stations.....	6,357	627,674	12.1	5,295	21,808	30,900	651	27,877
Commission stations	17,530	1,080,479	10.0	17,486	21,579	24,190	763	71,725
Salary stations	6,053	1,739,676	11.8	271	47,828	87,983	2,124	106,287
Cooperative bulk stations.....	665	37,962	13.3	...	2,146	2,946	58	2,525
Distributing terminals	220	322,117	8.1	9	5,455	10,347	371	27,182
Total petroleum bulk stations and terminals	30,825	3,807,908	11.0	23,061	98,816	156,366	3,907	235,596

² Sales include taxes. Expenses as shown for commission stations represent commissions only.

³ Average for year. Employees and payroll include paid executives of corporations but not the number and compensation of proprietors of unincorporated businesses.

Authority: Bureau of the Census

Bulk Plants Employ 112,466 in 1948

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. PETROLEUM BULK STATIONS AND TERMINALS, BY STATES, 1929, 1939, AND 1948

1948¹

State	Number of Establishments	Sales (Thousands of Dollars)	Operating Expenses (Including Payroll)	Active Producers of Unincorporated Businesses	Number of Employees (Full and Part-time) ²	Total Payroll (Thousands of Dollars)	Stocks on Hand at End of Year, at Cost, (Thousands of Dollars)
Alabama	434	150,856	14,942	388	1,891	4,636	9,199
Arizona	208	62,926	6,565	202	621	1,855	2,214
Arkansas	523	10,139	1,039	433	1,156	2,799	5,943
California	1,529	836,723	84,296	1,154	8,265	30,107	24,498
Colorado	473	98,062	9,676	432	985	2,581	7,340
Connecticut	118	218,574	16,202	24	2,153	7,694	23,707
Delaware	11	19,876	2,411	25	246	676	2,740
District of Columbia	10	33,858	2,144	3	370	1,137	1,331
Florida	545	260,243	21,771	410	2,768	7,418	20,190
Georgia	572	189,510	10,785	527	2,271	5,693	11,681
Idaho	371	59,858	6,755	345	543	1,522	3,032
Illinois	1,741	550,942	55,577	1,381	5,997	20,220	27,611
Indiana	1,095	325,768	27,925	1,915	2,921	7,032	17,847
Iowa	1,810	256,450	26,351	1,689	2,864	7,703	21,506
Kansas	1,288	130,844	14,959	1,214	1,361	3,344	11,592
Kentucky	433	155,917	13,566	378	1,817	4,481	11,576
Louisiana	474	158,440	13,496	392	1,665	4,364	16,705
Maine	153	98,420	8,169	82	1,049	3,375	11,804
Maryland	162	171,419	12,457	82	1,986	5,517	12,825
Massachusetts	195	327,677	23,796	58	3,034	11,229	25,467
Michigan	1,082	495,618	42,394	929	4,811	15,380	29,282
Minnesota	1,468	268,651	26,172	1,231	2,801	7,842	20,415
Mississippi	455	103,110	10,911	398	1,334	3,043	6,251
Missouri	1,167	260,742	26,434	1,110	2,745	7,781	13,508
Montana	472	53,157	6,148	395	709	1,840	4,328
Nebraska	656	100,154	10,766	532	1,259	3,202	6,454
Nevada	94	20,670	2,465	90	191	602	746
New Hampshire	85	39,413	3,278	35	418	1,358	2,780
New Jersey	237	501,824	32,402	112	3,537	13,560	38,575
New Mexico	230	41,631	4,353	231	474	1,179	1,821
New York	820	838,047	70,278	341	8,956	33,014	76,173
North Carolina	664	275,343	22,587	3304	8,452	8,452	17,070
North Dakota	897	71,590	8,364	601	788	2,134	6,439
Ohio	879	523,625	43,673	661	5,587	18,025	25,827
Oklahoma	814	147,849	13,778	775	1,572	3,694	7,745

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. PETROLEUM BULK STATIONS AND TERMINALS, BY STATES, 1929, 1939, AND 1948—Continued

1948¹

State	Number of Establishments	Sales (Thousands of Dollars)	Operating Expenses (Including Payroll)	Active Producers of Unincorporated Businesses	Number of Employees (Full- and Part-Time)	Total Payroll (Thousands of Dollars)	Stocks on Hand at End of Year, at Cost (Thousands of Dollars)
Oregon	437	168,255	18,586	346	1,649	5,561	12,270
Pennsylvania	751	608,418	47,517	397	6,843	22,539	29,476
Rhode Island	38	100,521	7,568	15	862	3,092	15,793
South Carolina	340	126,102	11,255	220	1,519	3,918	9,396
South Dakota	617	72,563	8,054	496	876	2,350	4,370
Tennessee	344	172,752	14,940	282	1,900	5,101	11,820
Texas	2,073	509,621	46,509	1,966	5,909	14,844	33,331
Utah	180	46,720	5,757	150	488	1,521	2,192
Vermont	74	31,209	2,715	39	359	1,117	3,691
Virginia	410	212,000	18,124	286	2,307	6,441	13,414
Washington	610	236,511	26,423	511	2,543	8,613	13,827
West Virginia	175	91,921	7,605	73	1,186	3,633	5,246
Wisconsin	1,225	283,380	26,192	930	3,372	9,946	26,438
Wyoming	180	29,138	2,753	172	274	682	1,721
U. S. total	29,451	10,615,650	956,074	23,952	112,466	345,847	709,205

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. PETROLEUM BULK STATIONS AND TERMINALS, BY STATES, 1929, 1939, AND 1948—Continued

1939

State	Number of Establishments	Sales (Thousands of Dollars)	Operating Expenses (Including Payroll)	Active Producers of Petroleum Business	Number of Employees (Full-time)	Total Payroll (Thousands of Dollars)	Stocks on Hand at End of Year, at Cost (Thousands of Dollars)	1929 ⁴		
								Number of Establishments	Number of Employees	Total Payroll (Thousands of Dollars)
Alabama	443	46,743	4,991	390	1,334	1,551	2,954	386	1,398	3,525
Arizona	221	21,747	2,500	171	534	982	1,076	87	907	1,215
Arkansas	315	34,185	3,361	481	799	864	2,277	328	746	1,394
California	1,475	306,880	36,953	687	8,120	16,496	13,213	712	11,654	20,415
Colorado	560	39,357	4,670	457	980	1,408	1,966	445	1,190	2,222
Connecticut	145	62,234	7,313	44	1,726	3,080	5,260	120	1,407	2,500
Delaware	37	9,271	968	19	234	354	1,090	40	193	342
District of Columbia	10	12,080	1,325	8	254	560	471	4	150	283
Florida	533	70,499	7,437	456	1,692	2,342	5,936	474	1,834	5,078
Georgia	540	67,141	7,331	452	1,776	2,102	3,897	563	1,894	4,973
Idaho	333	22,105	2,497	290	438	649	1,344	133	383	930
Illinois	1,838	214,864	25,182	1,333	5,491	9,210	9,386	1,282	5,069	10,736
Indiana	1,134	113,461	12,345	1,550	2,646	3,919	5,937	832	2,675	5,474
Iowa	1,778	87,127	6,380	1,550	2,625	3,174	6,303	1,195	2,273	4,624
Kansas	1,677	56,455	6,442	1,456	1,630	1,922	4,084	1,229	5,760	11,127
Kentucky	372	49,056	5,806	296	1,338	1,682	3,956	278	1,698	2,720
Louisiana	503	56,044	5,534	417	1,436	1,847	3,503	279	1,283	2,632
Maine	170	29,960	3,737	84	855	1,329	4,041	109	1,385	1,540
Maryland	170	58,013	5,689	83	1,519	2,375	3,651	180	1,307	2,503
Massachusetts	227	125,990	13,928	67	3,252	5,824	7,056	243	5,022	9,075
Michigan	1,067	156,407	17,180	810	3,801	6,433	12,267	783	3,235	7,201
Minnesota	1,560	103,752	10,672	1,252	2,585	3,800	7,375	1,036	2,220	4,359
Mississippi	452	37,579	3,919	402	1,013	1,077	2,484	425	1,113	3,138
Missouri	1,295	94,405	12,086	1,057	2,686	4,075	4,737	1,080	3,003	5,968
Montana	481	16,860	1,833	401	424	483	1,630	386	578	1,016
Nebraska	821	38,201	4,556	690	1,273	1,407	2,345	335	890	1,460
Nevada	90	8,713	1,084	72	176	314	418	39	413	391
New Hampshire	105	17,636	1,903	53	461	717	930	70	372	654
New Jersey	237	156,275	15,250	80	3,738	7,077	8,917	214	2,741	5,036
New Mexico	256	15,729	2,056	245	431	506	781	162	439	784
New York	835	334,932	38,829	350	7,975	15,393	27,065	726	9,751	22,640
North Carolina	592	85,900	7,803	428	2,032	2,687	4,450	508	1,579	4,152
North Dakota	744	24,906	2,513	596	755	885	2,220	584	843	2,164
Ohio	201,619	19,204	477	477	4,718	7,978	9,461	604	6,411	10,881
Oklahoma	1,062	49,557	6,151	908	1,523	1,723	2,604	973	2,299	4,931

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. PETROLEUM BULK STATIONS AND TERMINALS, BY STATES, 1929, 1939, AND 1948—Continued

1939										1929 ⁴	
State	Number of Establish-ments	Sales (Thousands of Dollars)	Operating Expenses (Including Payroll)	Active Pro-prietors of Unincor-porated Businesses	Number of Employees (Full- and Part- Time) ²	Total Payroll (Thousands of Dollars)	Stocks on Hand at End of Year, at Cost (Thousands of Dollars)	Number of Establish-ments	Number of Employees	Total Payroll (Thousands of Dollars)	
Oregon	416	60,907	7,265	234	1,637	3,229	4,724	165	2,191	3,400	
Pennsylvania	721	240,690	26,266	289	6,584	11,337	11,013	683	5,817	9,937	
Rhode Island	34	33,511	3,212	265	1,022	1,278	3,531	31	879	1,512	
South Carolina	324	40,599	4,135	265	1,076	1,281	2,359	289	890	2,529	
South Dakota	633	25,701	2,546	504	677	761	2,012	443	562	1,887	
Tennessee	334	60,209	5,610	234	1,378	1,862	3,502	179	914	2,232	
Texas	2,354	172,866	20,359	2,227	5,360	6,120	7,207	2,413	6,070	16,331	
Utah	166	16,514	2,072	131	426	646	884	120	540	992	
Vermont	92	12,814	1,576	49	370	593	1,533	58	208	372	
Virginia	423	83,647	7,998	269	1,997	2,747	5,233	365	1,426	2,616	
Washington	592	88,175	10,692	330	2,355	4,513	6,490	245	3,750	5,396	
West Virginia	183	36,096	3,712	91	1,032	1,432	2,013	168	927	1,514	
Wisconsin	1,155	97,604	10,643	890	2,692	3,955	9,369	820	2,179	5,022	
Wyoming	177	10,912	1,134	162	230	327	651	125	256	671	
U. S. total.....	30,825	3,807,908	420,646	23,061	98,816	156,366	235,596	23,008	110,074	222,200	

¹ Preliminary.

² Work week ended nearest Nov. 15.

³ Average for the year.

⁴ The major classification of petroleum wholesaler is the bulk station and terminal. In 1939 and 1948 data represent wholesale trade in petroleum bulk stations and terminals; 1929 represents total wholesale trade in petroleum products because a fine breakdown by type of wholesaler was not made in that year.

Authority: Bureau of the Census

Thousands of Bulk Plants Supply Cities' Petroleum Needs

**ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF
U. S. PETROLEUM BULK STATIONS AND TERMINALS,
IN SELECTED METROPOLITAN AREAS, 1948 ¹**

City	Number of Establishments	Sales (Thousands of Dollars)	Number of Employees ²	Total Payroll (Thousands of Dollars)
Atlanta	31	42,200	402	1,228
Baltimore	30	120,924	1,253	3,351
Boston	56	211,893	1,841	7,049
Buffalo	58	66,399	688	2,678
Chicago	280	354,288	3,199	12,614
Cincinnati	35	45,863	708	2,419
Cleveland	44	89,001	827	3,136
Dallas	27	25,732	279	841
Denver	57	34,114	333	1,032
Detroit	120	229,597	1,937	6,844
Houston	37	82,785	522	1,578
Indianapolis	33	43,634	522	1,746
Kansas City, Mo.	100	49,068	432	1,367
Los Angeles	232	310,929	2,455	9,411
Memphis	20	28,033	367	1,053
Milwaukee	47	50,489	684	2,318
Minneapolis-St. Paul	110	103,895	1,038	3,403
New Orleans	37	52,244	518	1,539
New York-Northeastern New Jersey....	247	840,189	6,778	26,995
Omaha	56	25,525	331	996
Philadelphia	119	227,965	44	8,256
Pittsburgh	66	106,528	27	3,674
Portland, Oreg.	57	74,370	651	2,374
St. Louis	110	107,789	1,035	3,728
San Francisco-Oakland	148	158,116	1,645	6,256
Seattle	49	77,141	857	3,164

¹ Preliminary.

² Work week ended nearest Nov. 15.

Authority: Bureau of the Census.

ESTABLISHMENTS, EMPLOYEES, AND PAYROLLS OF U. S. PETROLEUM BULK STATIONS AND TERMINALS IN SELECTED WHOLESALE CENTERS, 1929 AND 1939

Centers	Number of Establishments		Number of Employees ²		Payroll ² (Thousands of Dollars)	
	1939	1929	1939	1929 ³	1939	1929
Atlanta	13	20	367	536	522	864
Baltimore	24	30	696	813	1,341	1,613
Boston	14	33	583	1,934	1,093	3,878
Buffalo	12	18	318	425	627	949
Chicago	74	116	1,495	1,797	3,029	4,236
Cincinnati	26	26	411	830	755	1,406
Cleveland	40	55	618	1,886	1,385	3,493
Dallas	25	25	224	319	339	612
Denver	42	36	332	523	614	830
Detroit	36	52	1,035	1,179	2,029	2,293
Houston	20	18	376	352	625	617
Indianapolis	25	21	447	433	751	784
Kansas City, Mo.	26	34	288	553	510	1,214
Los Angeles	54	65	996	2,572	2,217	4,491
Memphis	14	15	201	302	303	525
Milwaukee	27	31	431	512	767	1,100
Minneapolis and St. Paul	50	37	810	757	1,517	1,334
Newark	16	14	760	497	1,528	940
New Orleans	16	14	290	411	467	585
New York	50	151	2,339	5,177	5,029	14,006
Omaha	22	17	245	435	380	545
Philadelphia	25	57	1,746	1,115	3,168	2,195
Pittsburgh	12	30	591	759	1,095	1,379
Portland, Oreg.	12	17	545	1,519	1,181	2,114
St. Louis	36	44	590	681	1,232	1,247
San Francisco	15	36	642	1,891	1,386	3,870
Seattle	16	17	699	974	1,446	1,813
Total	742	1,089	18,075	29,182	35,336	58,933

² Average for year. Full- and part-time employees; includes executives of corporations but excludes proprietors of unincorporated businesses.

³ Full-time employees only. Payroll for full year.

Authority: Bureau of the Census.

Suppliers' Growth Parallels That of Oil Industry

ESTABLISHMENTS, SALES, EMPLOYMENT, AND PAYROLLS OF U. S. OIL-WELL AND OIL-REFINING SUPPLIERS, BY TYPE, 1939 AND 1948

Type	Number of Establishments	Sales (Thousands of Dollars)	Active Proprietors of Unincorporated Businesses	Number of Employees ¹	Total Payroll (Thousands of Dollars)
1948 ¹					
Merchant wholesalers	1,027	718,051	272	8,919	30,798
Manufacturers' sales branches (with stocks)	242	191,314	10	2,070	8,633
Manufacturers' sales offices (without stocks)	85	72,056	6	462	1,912
Agents and brokers	(²)	(³)	(³)	(³)	(³)
1939					
Merchant wholesalers	896	179,770	218	5,137	9,343
Manufacturers' sales branches (with stocks)	324	58,603	2	1,970	3,404
Manufacturers' sales offices (without stocks)	26	4,135	...	79	226
Agents and brokers	56	7,538	44	102	224

¹ Preliminary.

² Work week ended nearest Nov. 15.

³ Not available.

Authority: Bureau of the Census.

Service Stations Comprise One-tenth of All Retail Establishments

SELECTED U. S. RETAIL-TRADE STATISTICS BY GROUPS AND KINDS OF BUSINESS, 1948 ¹

Trade Group or Kind of Business	Number of Establish- ments	Sales (Thousands of Dollars)	Total Payroll (Thousands of Dollars)	Active Proprietors of Unincor- porated Businesses	Unpaid Family Members	Number of Employees, Full- and Part-Time ²
Total retail trade.....	1,769,540	130,530,547	13,567,997	1,742,046	930,546	6,918,061
Food group:	504,439	30,965,674	1,943,967	509,721	363,243	1,005,897
Grocery stores without fresh meat	154,277	4,026,835	145,388	152,086	121,387	89,043
Grocery stores with fresh meat	223,662	20,743,288	1,112,827	228,406	167,694	597,213
General stores	21,557	1,159,361	65,785	21,952	18,290	41,444
Department stores	2,580	10,644,747	1,680,702	261	46	843,479
Gasoline service stations.....	188,253	6,483,301	488,350	196,532	79,055	285,954
Lumber, building, and hardware group:	98,938	11,151,470	1,182,354	91,213	33,164	475,413
Hardware stores	34,674	2,493,669	244,093	36,017	15,176	113,165
Farm-equipment dealers	17,615	2,386,172	176,497	18,966	5,771	75,216
Fuel dealers except fuel-oil....	14,953	1,607,658	176,130	12,674	4,222	73,682
Fuel-oil dealers	4,525	732,119	69,088	3,893	1,323	25,040
Automotive group:	86,162	20,104,054	1,866,376	77,647	19,265	633,553
Motor-vehicle (new and used) dealers	43,999	15,952,781	1,584,430	37,290	8,499	519,378
Motor-vehicle (used) dealers..	16,874	2,441,377	90,401	17,782	3,260	32,059
Tire, battery, accessory dealers	20,628	1,359,596	165,647	18,018	5,711	72,366
Motorcycle dealers	1,224	53,856	4,548	1,235	505	2,082
Aircraft dealers	204	30,126	4,726	117	35	1,634
Boat dealers	1,037	66,265	6,126	956	429	2,211
Other automotive dealers....	2,196	200,053	10,498	2,249	826	3,823

¹ Preliminary.

² Work week ended Nov. 15.

Authority: Bureau of the Census.

Wholesale Value of Motor Fuel Equals 60 Per Cent of All Petroleum Products

WHOLESALE VALUE OF PETROLEUM PRODUCTS CONSUMED IN THE UNITED STATES—BY TYPE OF PRODUCT—BY YEARS, 1923-1949

(Thousands of Dollars)

Year	Total	Motor Fuel	Kerosine	Fuel Oils	Lubricating Oils	Other Oil Products
1949.....	7,088,040	4,305,680	379,740	1,817,890	225,140	359,590
1948.....	7,708,300	3,992,330	478,160	2,503,410	540,080	194,320
1947.....	5,688,150	3,038,550	314,320	1,729,360	331,260	274,660
1946.....	3,950,480	2,180,660	197,190	1,142,950	244,730	184,950
1945.....	3,732,560	2,202,460	144,150	992,950	230,370	162,630
1944.....	3,607,400	2,113,900	136,560	932,540	211,270	213,130
1943.....	3,020,100	1,675,400	128,500	841,110	207,700	167,390
1942.....	2,824,600	1,625,600	130,690	712,880	199,530	155,900
1941.....	2,843,600	1,741,000	122,840	633,420	187,680	158,660
1940.....	2,287,900	1,356,770	127,960	562,160	141,340	99,670
1939.....	2,167,200	1,367,200	105,450	465,460	132,560	96,530
1938.....	1,962,900	1,235,700	107,450	436,540	101,650	81,560
1937.....	2,293,500	1,409,100	116,400	535,070	138,500	94,430
1936.....	1,963,600	1,233,900	89,210	431,170	127,700	81,620
1935.....	1,595,800	973,400	87,050	371,200	104,500	59,650
1934.....	1,505,200	889,300	80,820	357,400	117,460	60,220
1933.....	1,228,900	762,100	65,960	271,900	89,500	39,440
1932.....	1,277,700	848,900	58,880	235,560	83,670	50,690
1931.....	1,342,600	866,700	51,240	262,850	112,630	49,180
1930.....	2,025,800	1,293,200	79,220	363,740	143,720	145,920
1929.....	2,206,700	1,391,000	99,900	411,500	182,050	122,250
1928.....	2,071,900	1,271,100	95,300	411,240	160,600	133,660
1927.....	1,879,600	1,024,500	95,740	424,600	156,700	178,060
1926.....	2,343,200	1,291,600	139,360	464,800	165,500	281,940
1925.....	2,168,000	1,130,900	103,240	447,250	159,050	327,560
1924.....	1,991,100	874,400	104,080	426,210	148,130	438,280
1923.....	1,845,250	856,700	98,510	330,450	134,690	424,900

Authority: Economics Department, The Atlantic Refining Company.

PRICES AND TAXATION

Marketing Bears Bulk of Petroleum Taxes

TOTAL PETROLEUM-INDUSTRY TAXES

Taxes on:
Production

Refining

State and local

Federal

Excise

State and local

Federal

Excise

State and local

Federal

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PRICES AND TAXATION

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U. S. CRUDE-OIL PRICES AT SELECTED FIELDS, 1912-1949

(Dollars Per Barrel)

December (Lowest Price in Month)	Oklahoma- Kansas 36-Deg- Gravity ²	Bradford- Allegheny, Pa.	Illinois Basin	East Texas	Conroe, Texas	Gulf Coast 34-Deg- Gravity ³	Signal Hill, Calif 27-Deg- Gravity ⁴
1949.....	\$2.57	\$3.54	\$2.77	\$2.65	\$2.83	\$2.76	\$2.37
1948.....	2.57	4.50	2.77	2.65	2.83	2.76	2.45
1947.....	2.57	5.00	2.77	2.65	2.83	2.76	2.45
1946.....	1.62	3.55	1.82	1.70	1.88	1.81	1.50
1945.....	1.17	3.00	1.37	1.25	1.43	1.36	1.15
1944.....	1.17	3.00	1.37	1.25	1.43	1.36	1.15
1943.....	1.17	3.00	1.37	1.25	1.43	1.36	1.15
1942.....	1.17	3.00	1.37	1.25	1.43	1.36	1.15
1941.....	1.17	2.75	1.37	1.25	1.43	1.36	1.15
1940.....	1.17	2.15	1.15	1.10	1.27	1.16	1.03
1939.....	1.02	2.50	1.05	1.10	1.27	1.16	1.10
1938.....	1.02	1.68	1.15	1.10	1.27	1.16	1.10
1937.....	1.22	2.20	1.35	1.35	1.39	1.29	1.10
1936.....	1.10	2.57	..	1.15	1.30	1.22	1.10
1935.....	1.00	2.30	..	1.00	1.15	1.12	.90
1934.....	1.00	2.05	..	1.00	..	1.12	1.00
1933.....	1.00	2.45	..	1.00	..	1.12	1.00
1932.....	.69	1.72	..	.75	..	.88	1.00
1931.....	.77	1.85	..	.75	..	.80	.75
1930.....	.95	2.15	..	..	..	1.10	1.26
1929.....	1.45	3.30	..	..	..	1.45	1.13
1928.....	1.36	3.85	..	..	..	1.35	1.13
1927.....	1.28	2.80	..	..	..	1.35	.94
1926.....	1.90	3.15	..	..	..	1.40	1.52
1925.....	1.79	3.65	..	..	..	1.50	1.34
1924.....	1.25	3.10	..	..	..	1.25	1.16
1923.....	1.00	2.80	..	..	..	1.25	.68
1922.....	1.40	3.25	..	..	..	1.25	1.15
1921.....	2.00	2.61	..	..	..	1.25	..
1920.....	3.50	6.10	..	..	..	2.50	..
1919.....	2.75	5.00	..	..	..	1.50	..
1918.....	2.25	4.00	..	..	..	1.80	..
1917.....	2.00	3.75	..	..	..	1.00	..
1916.....	1.40	2.85	..	..	..	.73	..
1915.....	1.20	2.25	..	..	..	.60	..
1914.....	.55	1.45	..	..	..	.40	..
1913.....	1.03	2.50	..	..	..	.90	..
1912.....	.83	2.00	..	..	..	.75	..

² 36-deg gravity beginning with 1922; no gravity scale used in pricing prior to that year.

³ Prices 1912 through 1925 apply to the Batson, Saratoga, Spindletop, Humble, and Electra oil fields; Gulf Coast coverage broadened beginning with 1926.

⁴ Prices for 1922 through 1924 apply to 27-deg-gravity crude in fields situated in the Los Angeles Basin. Prices for 27-deg-gravity crude at Signal Hill not available until 1925.

Authority: 1912 through 1923, U. S. Geological Survey; 1924 through 1945, *National Petroleum News*.

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PRICE PER BARREL OF MID CONTINENT 36-DEG-GRAVITY¹ CRUDE OIL, AS OF THE FIRST OF THE MONTH, FOR YEARS 1913-1950—Continued

First of Month	1931	1930	1929	1928	1927	1926
March	5	February 15	January 25	July 26	February 22	February 1
June	1	April 10	May 20	July 26	March 15	May 15
July	9	October 27	October 20	July 26	March 12	November 17
August	24	0.95				1.90
September	22					
October	22					
November	2					
December	0.77					
January	0.77	0.95	1.45	1.36	1.28	1.90
February	0.95	0.95	1.45	1.36	1.28	2.29
March	0.95	0.95	1.45	1.36	1.28	2.29
April	0.95	0.95	1.45	1.36	1.28	2.29
May	0.95	0.95	1.45	1.36	1.28	2.29
June	0.95	0.95	1.45	1.36	1.28	2.29
July	0.95	0.95	1.45	1.36	1.28	2.29
August	0.95	0.95	1.45	1.36	1.28	2.29
September	0.95	0.95	1.45	1.36	1.28	2.29
October	0.95	0.95	1.45	1.36	1.28	2.29
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July	0.95	0.95	1.45	1.36	1.28	2.29
August	0.95	0.95	1.45	1.36	1.28	2.29
September	0.95	0.95	1.45	1.36	1.28	2.29
October	0.95	0.95	1.45	1.36	1.28	2.29
November	0.95	0.95	1.45	1.36	1.28	2.29
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February	0.95	0.95	1.45	1.36	1.28	2.29
March	0.95	0.95	1.45	1.36	1.28	2.29
April	0.95	0.95	1.45	1.36	1.28	2.29
May	0.95	0.95	1.45	1.36	1.28	2.29
June	0.95	0.95	1.45	1.36	1.28	2.29
July	0.95	0.95	1.45	1.36	1.28	2.29
August	0.95	0.95	1.45	1.36	1.28	2.29
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February	0.95	0.95	1.45	1.36	1.28	2.29
March	0.95	0.95	1.45	1.36	1.28	2.29
April	0.95	0.95	1.45	1.36	1.28	2.29
May	0.95	0.95	1.45	1.36	1.28	2.29
June	0.95	0.95	1.45	1.36	1.28	2.29
July	0.95	0.95	1.45			

First of Month	1925	1924	1923	1922	1921	1920
January	\$1.25	\$1.00	\$1.40	\$2.00	\$3.50	\$2.75
February	1.70	1.60	1.70	2.00	2.50	3.00
March	2.00	1.85	2.00	2.00	1.75	3.50
April	2.00	2.00	2.00	2.00	1.75	3.50
May	2.00	2.00	1.90	2.00	1.75	3.50
June	2.00	2.00	1.60	2.00	1.50	3.50
July	2.00	2.00	1.60	2.00	1.00	3.50
August	2.04	1.50	1.60	1.50	1.00	3.50
September	1.79	1.50	1.60	1.25	1.00	3.50
October	1.79	1.25	1.30	1.25	1.25	3.50
November	1.79	1.25	1.30	1.25	1.50	3.50
December	1.79	1.25	1.00	1.40	2.00	3.50
December 31.....	1.79	1.25	1.00	1.40	2.00	3.50
January 22 \$1.50		January 9 \$1.40	January 19 \$1.60	July 15 \$1.75	January 24 \$3.00	January 6 \$3.00
February 30 1.70		February 19 1.60	February 27 1.70	August 18 1.50	February 31 2.50	February 27 3.25
March 1 1.95		March 6 1.85	March 13 1.80	September 22 1.25	March 4 2.00	March 1 3.50
April 10 2.04		April 17 1.75	April 24 1.90	October 30 1.40	April 9 1.75	
May 17 2.00		May 24 1.75	May 31 2.00	November 7 1.40	May 2 1.50	
June 28 1.50		June 4 1.50	June 11 1.90	December 22 1.25	June 9 1.25	
July 27 1.79		July 4 1.25	July 11 1.80	January 7 1.50	July 15 1.00	
August 27 1.79		August 3 1.25	August 10 1.70	February 27 1.25	August 30 1.25	
		September 17 1.25	September 24 1.30	March 7 1.00	September 3 1.50	
			October 8 1.00	April 27 2.00	October 30 1.25	
			November 8 1.00	May 27 2.00	November 7 2.00	
				June 27 2.00		
				July 27 2.00		
				August 27 2.00		
				September 27 2.00		
				October 27 2.00		
				November 27 2.00		
				December 27 2.00		

PRICE PER BARREL OF MID CONTINENT 36-DEG-GRAVITY² CRUDE OIL, AS OF THE FIRST OF THE MONTH, FOR YEARS 1913-1950—Continued

First of Month ³	1919	1918	1917	1916	1915	1914	1913
January	\$2.25	\$2.00	\$1.40	\$1.20	\$0.55	\$1.03	\$0.83
February	2.25	2.00	1.70	1.30	0.55	1.03	0.88
March	2.25	2.00	1.70	1.30	0.40	1.06	0.88
April	2.25	2.25	1.70	1.55	0.40	0.75	0.88
May	2.25	2.25	1.70	1.55	0.40	0.75	0.88
June	2.25	2.25	1.70	1.55	0.40	0.75	0.88
July	2.25	2.25	1.70	1.55	0.40	0.75	0.88
August	2.25	2.25	1.70	1.25	0.40	0.75	0.98
September	2.25	2.25	2.00	0.90	0.75	0.75	1.03
October	2.25	2.25	2.00	0.90	0.80	0.55	1.03
November	2.25	2.25	2.00	0.90	0.80	0.55	1.03
December	2.50	2.25	2.00	1.00	1.00	0.55	1.03
December 31	2.75	2.25	2.00	1.40	1.20	0.55	1.03
November 20 \$2.50	2.75	March 19 \$2.25	January 3 \$1.50	January 20 \$1.25	February 15 \$0.45	February 2 \$1.06	January 29 \$0.88
December 20 2.75		August 12 1.70	March 4 1.30	February 15 0.40	April 10 0.95	July 8 1.00	July 21 0.93
		August 15 1.90	March 11 1.45	August 2 0.55	August 13 0.90	August 13 0.90	August 19 1.03
		August 18 2.00	July 14 1.55	August 4 0.85	August 15 0.85	August 15 0.85	
			August 24 1.45	August 11 0.65	August 27 0.80	August 27 0.80	
			August 7 1.15	August 19 0.75	August 30 0.75	August 30 0.75	
			August 12 1.05	September 11 0.80	September 12 0.65	September 12 0.65	
			August 15 0.95	September 13 0.90	September 22 0.55	September 22 0.55	
			August 26 0.90	October 15 1.00			
			November 29 1.00	December 13 1.10			
			December 12 1.10	December 14 1.20			
			December 18 1.20				
			December 23 1.30				
			December 28 1.40				

² Oklahoma-Kansas 36- to 36.9-deg crude oil.

³ Specific dates at the end of some of the columns in this table (below the ruled line) indicate when there was a change in price.

Authority: *Oil and Gas Journal*.

AVERAGE RETAIL GASOLINE PRICES, BY YEARS, 1918-1950

(Simple Averages of First-of-Month Prices in 50 Representative U. S. Cities, in Cents Per Gallon)

Year	Dealer's Net (Exclusive of Tax)	Service- Station (Exclusive of Tax)	Gasoline Taxes				Service- Station (Including Tax)
			State	Federal ³	Local ⁴	Total	
1950.....	\$.1510	\$.2008	\$.0509	\$.0150	\$.0009	\$.0668	\$.2676
1949.....	.1505	.2027	.0492	.0150	.0010	.0652	.2679
1948.....	.1455	.1954	.0475	.0150	.0009	.0634	.2588
1947.....	.1233	.1693	.0461	.0150	.0007	.0618	.2311
1946.....	.1040	.1469	.0453	.0150	.0005	.0608	.2077
1945.....	.1033	.1448	.0447	.0150	.0005	.0602	.2050
1944.....	.1049	.1462	.0442	.0150	.0005	.0597	.2059
1943.....	.1045	.1456	.0442	.0150	.0005	.0597	.2053
1942.....	.1044	.1446	.0442	.0150	.0005	.0597	.2043
1941.....	.0949	.1330	.0438	.0150	.0005	.0593	.1923
1940.....	.0908	.1275	.0436	.0125	.0005	.0566	.1841
1939.....	.0958	.1331	.0439	.0100	.0005	.0544	.1875
1938.....	.1004	.1407	.0435	.0100	.0009	.0544	.1951
1937.....	.1053	.1459	.0431	.0100	.0009	.0540	.1999
1936.....	.1021	.1410	.0426	.0100	.0009	.0535	.1945
1935.....	.0973	.1355	.0423	.0100	.0006	.0529	.1884
1934.....	.0981	.1364	.0415	.0100	.0006	.0521	.1885
1933.....	.0942	.1241	.0410	.0125	.0006	.0541	.1782
1932.....	.1008	.1330	.0407	.0050	.0006	.0463	.1793
1931.....	.0965	.1298	.0394	....	.0006	.0400	.1700
1930.....	.1248	.1616	.0375	....	.0004	.0379	.1995
1929.....	.1458 ²	.1792	.0347	....	.0003	.0350	.2142
1928.....	.1483	.1790	.0301	....	.0003	.0304	.2094
1927.....	.1500	.1828	.0278	....	.0003	.0281	.2112
1926.....	.1744	.2097	.0238	....	.0003	.0241	.2338
1925.....	.1746	.2009	.0208	....	.0003	.0211	.2220
1924.....	.1686	.1946	.0145	....	.0003	.0148	.2094
1923.....	.1866	.2106	.0088	....	.0003	.0091	.2197
1922.....	.2263	.2482	.0035	....	.0003	.0038	.2520
1921.....	.2409	.2611	.0017	....	.0003	.0020	.2631
1920.....	.2805	.2974	.0006	....	.0003	.0009	.2983
1919.....	.2411	.2541	.0006	....	....	.0006	.2547
1918.....	.2392	.2512	....	....	....	....	.2512

² Dealer's net price available only since 1926. In 1925 and prior years, figures in this column are the average tank-wagon price, not comparable with dealer's net.

³ Federal taxes levied as follows: 1 cent a gallon, effective June 21, 1932; 1½ cents a gallon, June 17, 1933; 1 cent a gallon, Jan. 1, 1934; 1½ cents a gallon, July 1, 1940.

⁴ Local gasoline taxes levied in 5 of the 50 cities from 1948 through 1950; in 1947, in 4 cities; in 3 cities from 1940 through 1946; from 1931 through 1939, in 4 cities; in 1930, in 3 cities; from 1925 through 1929, in 2 cities; prior years, 1 city.

Authority: Data gathered and compiled by The Texas Company.

AVERAGE RETAIL GASOLINE PRICES, BY MONTHS, 1920-1950

(Simple Averages of First-of-Month Prices in 50 Representative U. S. Cities,
in Cents Per Gallon)

Month	Dealers' Net (Exclusive of Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes ²	Service-Station (Including Tax)	Dealers' Net (Exclusive of Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes ²	Service-Station (Including Tax)
1950				1949				
January	\$.1482	\$.2005	\$.0666	\$.2671	\$.1487	\$.2009	\$.0638	\$.2647
February .....	.1480	.2003	.0666	.2669	.1492	.2013	.0638	.2651
March .....	.1475	.1987	.0666	.2653	.1492	.2012	.0638	.2650
April .....	.1464	.1973	.0666	.2639	.1492	.2011	.0641	.2652
May .....	.1498	.2000	.0666	.2666	.1519	.2040	.0641	.2681
June .....	.1505	.2005	.0666	.2671	.1519	.2041	.0647	.2688
July .....	.1509	.2017	.0670	.2687	.1519	.2041	.0660	.2701
August .....	.1543	.2050	.0670	.2720	.1519	.2041	.0664	.2705
September ...	.1534	.2030	.0670	.2700	.1515	.2035	.0664	.2699
October .....	.1543	.2011	.0670	.2681	.1513	.2032	.0664	.2696
November ...	.1543	.1992	.0670	.2662	.1512	.2033	.0664	.2697
December ....	.1543	.2021	.0668	.2689	.1485	.2011	.0664	.2675
1948				1947				
January	\$.1442	\$.1936	\$.0628	\$.2564	\$.1127	\$.1568	\$.0605	\$.2173
February .....	.1449	.1943	.0628	.2571	.1141	.1579	.0605	.2184
March .....	.1452	.1950	.0628	.2578	.1142	.1588	.0605	.2193
April .....	.1452	.1949	.0628	.2577	.1246	.1708	.0609	.2317
May .....	.1452	.1949	.0632	.2581	.1247	.1707	.0610	.2317
June .....	.1454	.1952	.0632	.2584	.1243	.1708	.0614	.2322
July .....	.1458	.1956	.0638	.2594	.1244	.1707	.0626	.2333
August .....	.1459	.1959	.0638	.2597	.1256	.1720	.0628	.2348
September ...	.1458	.1960	.0638	.2598	.1269	.1737	.0628	.2365
October .....	.1458	.1960	.0638	.2598	.1259	.1732	.0628	.2360
November ...	.1458	.1961	.0638	.2599	.1303	.1779	.0628	.2407
December ....	.1466	.1974	.0638	.2612	.1314	.1787	.0628	.2415
1946				1945				
January	\$.1007	\$.1419	\$.0605	\$.2024	\$.1007	\$.1419	\$.0597	\$.2016
February .....	.0999	.1418	.0605	.2021	.1007	.1419	.0597	.2016
March .....	.0986	.1415	.0607	.2022	.1007	.1419	.0597	.2016
April .....	.0986	.1412	.0607	.2019	.1007	.1419	.0599	.2018
May .....	.0989	.1413	.0607	.2020	.1007	.1419	.0603	.2022
June .....	.0990	.1415	.0607	.2022	.1007	.1419	.0603	.2022
July .....	.0999	.1418	.0609	.2027	.1007	.1419	.0603	.2022
August .....	.1067	.1508	.0609	.2117	.1007	.1419	.0605	.2024
September ...	.1110	.1551	.0609	.2160	.1007	.1419	.0605	.2024
October .....	.1113	.1549	.0609	.2153	.1007	.1419	.0605	.2024
November ...	.1112	.1552	.0609	.2161	.1007	.1419	.0605	.2024
December ....	.1118	.1561	.0609	.2170	.1007	.1419	.0605	.2024
1944				1943				
January	\$.1007	\$.1419	\$.0597	\$.2016	\$.0993	\$.1402	\$.0597	\$.1999
February .....	.1007	.1419	.0597	.2016	.0995	.1406	.0597	.2003
March .....	.1007	.1419	.0597	.2016	.0996	.1407	.0597	.2004
April .....	.1007	.1418	.0597	.2016	.0996	.1406	.0597	.2003
May .....	.1007	.1419	.0597	.2016	.0996	.1407	.0597	.2004
June .....	.1007	.1419	.0597	.2016	.0996	.1408	.0597	.2005
July .....	.1007	.1419	.0597	.2016	.1006	.1417	.0597	.2014
August .....	.1007	.1419	.0597	.2016	.1002	.1414	.0597	.2011
September ...	.1007	.1424	.0597	.2021	.1007	.1414	.0597	.2011
October .....	.1007	.1419	.0597	.2016	.1007	.1419	.0597	.2016
November ...	.1007	.1419	.0597	.2016	.1007	.1419	.0597	.2016
December ....	.1007	.1419	.0597	.2016	.1007	.1419	.0597	.2016

AVERAGE RETAIL GASOLINE PRICES, BY MONTHS, 1920-1950

—Continued

(Simple Averages of First-of-Month Prices in 50 Representative U. S. Cities,
in Cents Per Gallon)

	Dealers' Net (Exclusive of Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes ²	Service-Station (Including Tax)	Dealers' Net (Exclusive of Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes ²	Service-Station (Including Tax)
Month	1942				1941			
January	\$.0998	\$.1394	\$.0597	\$.1991	\$.0854	\$.1217	\$.0590	\$.1807
February .....	.1006	.1402	.0597	.1999	.0854	.1218	.0590	.1808
March .....	.1000	.1397	.0597	.1994	.0862	.1227	.0590	.1817
April .....	.0996	.1400	.0597	.1997	.0878	.1242	.0590	.1832
May .....	.0996	.1396	.0597	.1993	.0940	.1311	.0592	.1903
June .....	.0994	.1396	.0597	.1993	.0985	.1369	.0595	.1964
July .....	.0992	.1400	.0597	.1997	.0994	.1381	.0595	.1976
August .....	.0987	.1393	.0597	.1990	.1004	.1387	.0595	.1982
September .....	.0989	.1395	.0597	.1992	.1002	.1394	.0595	.1989
October .....	.0989	.1394	.0597	.1991	.1004	.1404	.0595	.1999
November .....	.0993	.1396	.0597	.1993	.1002	.1404	.0595	.1999
December .....	.0993	.1400	.0597	.1997	.1004	.1407	.0595	.2002
	1940				1939			
January	\$.0978	\$.1353	\$.0542	\$.1895	\$.0956	\$.1332	\$.0544	\$.1876
February .....	.0973	.1343	.0542	.1885	.0940	.1311	.0544	.1855
March .....	.0961	.1334	.0542	.1876	.0935	.1304	.0544	.1848
April .....	.0942	.1317	.0542	.1859	.0937	.1307	.0544	.1851
May .....	.0924	.1291	.0542	.1833	.0945	.1316	.0544	.1860
June .....	.0900	.1266	.0542	.1808	.0949	.1322	.0544	.1866
July .....	.0891	.1253	.0592	.1845	.0967	.1340	.0546	.1886
August .....	.0891	.1258	.0592	.1850	.0961	.1328	.0546	.1874
September .....	.0869	.1233	.0590	.1823	.0969	.1338	.0546	.1884
October .....	.0859	.1220	.0590	.1810	.0979	.1352	.0542	.1894
November .....	.0858	.1221	.0590	.1811	.0987	.1365	.0542	.1907
December .....	.0846	.1209	.0590	.1799	.0975	.1351	.0542	.1893
	1938				1937			
January	\$.1018	\$.1429	\$.0544	\$.1973	\$.1021	\$.1413	\$.0534	\$.1947
February .....	.1016	.1428	.0544	.1972	.1032	.1413	.0534	.1947
March .....	.1009	.1425	.0544	.1969	.1055	.1451	.0532	.1983
April .....	.1022	.1423	.0544	.1967	.1063	.1471	.0536	.2007
May .....	.1017	.1418	.0544	.1962	.1064	.1476	.0540	.2016
June .....	.1014	.1422	.0544	.1966	.1066	.1469	.0544	.2013
July .....	.1013	.1416	.0544	.1960	.1051	.1468	.0544	.2012
August .....	.1018	.1420	.0544	.1964	.1066	.1477	.0544	.2021
September .....	.1005	.1402	.0544	.1946	.1066	.1472	.0544	.2016
October .....	.0982	.1376	.0544	.1920	.1063	.1481	.0544	.2025
November .....	.0970	.1369	.0544	.1913	.1058	.1468	.0544	.2012
December .....	.0967	.1352	.0544	.1896	.1030	.1441	.0544	.1985
	Service-Station (Exclusive of Tax)	Total Gasoline Taxes	Service-Station (Including Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes	Service-Station (Including Tax)		
	1936			1935				
January	\$.1370	\$.0536	\$.1906	\$.1278	\$.0522	\$.1800		
February .....	.1426	.0536	.1962	.1321	.0522	.1843		
March .....	.1422	.0536	.1958	.1313	.0524	.1837		
April .....	.1385	.0536	.1921	.1330	.0528	.1858		
May .....	.1423	.0536	.1959	.1375	.0528	.1903		
June .....	.1424	.0536	.1960	.1387	.0528	.1915		
July .....	.1425	.0532	.1957	.1390	.0532	.1922		
August .....	.1425	.0532	.1957	.1394	.0532	.1926		
September .....	.1421	.0534	.1955	.1389	.0532	.1921		
October .....	.1406	.0534	.1940	.1350	.0532	.1882		
November .....	.1396	.0534	.1930	.1358	.0532	.1890		
December .....	.1396	.0534	.1930	.1372	.0534	.1906		

AVERAGE RETAIL GASOLINE PRICES, BY MONTHS, 1920-1950 —Continued—

(Simple Averages of First-of-Month Prices in 50 Representative U. S. Cities,
in Cents Per Gallon)

Month	Service-Station (Exclusive of Tax)	Total Gasoline Taxes	Service-Station (Including Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes	Service-Station (Including Tax)
	1934			1933		
January	\$.1433	\$.0518 ³	\$.1951	\$.1248	\$.0516	\$.1764
February .....	.1380	.0520	.1900	.1141	.0515	.1656
March .....	.1405	.0521	.1926	.1125	.0515	.1640
April .....	.1359	.0521	.1880	.1092	.0515	.1607
May .....	.1355	.0521	.1876	.1101	.0515	.1616
June .....	.1431	.0521	.1952	.1053	.0515	.1568
July .....	.1417	.0521	.1938	.1241	.0567 ⁴	.1808
August .....	.1403	.0521	.1924	.1270	.0567	.1837
September ....	.1405	.0519	.1924	.1324	.0568	.1892
October .....	.1362	.0519	.1881	.1444	.0568	.2012
November .....	.1172	.0521	.1693	.1433	.0568	.2001
December .....	.1247	.0522	.1769	.1419	.0568	.1987
	1932			1931		
January	\$.1279	\$.0408	\$.1687	\$.1448	\$.0382	\$.1830
February .....	.1293	.0408	.1701	.1479	.0384	.1863
March .....	.1286	.0413	.1701	.1446	.0386	.1832
April .....	.1317	.0413	.1730	.1329	.0398	.1727
May .....	.1384	.0413	.1797	.1281	.0400	.1681
June .....	.1379	.0414	.1793	.1251	.0401	.1652
July .....	.1436	.0514 ⁵	.1950	.1244	.0405	.1649
August .....	.1399	.0514	.1913	.1201	.0409	.1610
September ....	.1368	.0514	.1882	.1197	.0409	.1606
October .....	.1234	.0514	.1748	.1231	.0409	.1640
November .....	.1300	.0514	.1814	.1213	.0408	.1621
December .....	.1287	.0516	.1803	.1281	.0408	.1689
	1930			1929		
January	\$.1732	\$.0376	\$.2108	\$.1826	\$.0308	\$.2134
February .....	.1684	.0376	.2060	.1738	.0312	.2050
March .....	.1614	.0380	.1994	.1738	.0316	.2054
April .....	.1574	.0380	.1954	.1744	.0336	.2080
May .....	.1676	.0380	.2056	.1752	.0350	.2102
June .....	.1678	.0380	.2058	.1838	.0350	.2188
July .....	.1637	.0378	.2015	.1852	.0360	.2212
August .....	.1655	.0378	.2033	.1834	.0370	.2204
September ....	.1620	.0378	.1998	.1832	.0374	.2206
October .....	.1542	.0378	.1920	.1832	.0374	.2186
November .....	.1512	.0378	.1890	.1788	.0374	.2162
December .....	.1475	.0382	.1857	.1754	.0374	.2128
	1928			1927		
January	\$.1680	\$.0307	\$.1987	\$.2029	\$.0246	\$.2275
February .....	.1674	.0307	.1981	.2037	.0250	.2287
March .....	.1710	.0303	.2013	.1997	.0253	.2250
April .....	.1750	.0304	.2054	.1893	.0266	.2159
May .....	.1788	.0304	.2092	.1798	.0271	.2069
June .....	.1784	.0304	.2088	.1771	.0279	.2050
July .....	.1791	.0304	.2095	.1779	.0290	.2069
August .....	.1846	.0304	.2150	.1785	.0298	.2083
September ....	.1878	.0302	.2180	.1751	.0300	.2051
October .....	.1878	.0302	.2180	.1781	.0303	.2021
November .....	.1874	.0302	.2176	.1699	.0305	.2004
December .....	.1832	.0304	.2136	.1684	.0305	.1989

AVERAGE RETAIL GASOLINE PRICES, BY MONTHS, 1920-1950

—Continued

(Simple Averages of First-of-Month Prices in 50 Representative U. S. Cities,
in Cents Per Gallon)

Month	Service-Station (Exclusive of Tax)	Total Gasoline Taxes	Service-Station (Including Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes	Service-Station (Including Tax)
	1926			1925		
January	\$.1898	\$.0233	\$.2131	\$.1653	\$.0161	\$.1814
February . . . . .	.1896	.0233	.2129	.1950	.0165	.2115
March . . . . .	.1994	.0237	.2231	.2174	.0173	.2347
April . . . . .	.2031	.0242	.2273	.2140	.0203	.2343
May . . . . .	.2103	.0242	.2345	.2099	.0219	.2318
June . . . . .	.2231	.0242	.2473	.2165	.0221	.2386
July . . . . .	.2235	.0242	.2477	.2193	.0228	.2421
August . . . . .	.2232	.0244	.2476	.2207	.0232	.2439
September . . . . .	.2229	.0244	.2473	.1976	.0233	.2209
October . . . . .	.2189	.0244	.2433	.1858	.0233	.2091
November . . . . .	.2089	.0244	.2333	.1848	.0233	.2081
December . . . . .	.2041	.0244	.2285	.1848	.0233	.2081
	1924			1923		
January	\$.1709	\$.0137	\$.1846	\$.2177	\$.0040	\$.2217
February . . . . .	.2035	.0137	.2172	.2192	.0040	.2232
March . . . . .	.2160	.0138	.2298	.2392	.0040	.2432
April . . . . .	.2155	.0141	.2296	.2409	.0079	.2488
May . . . . .	.2158	.0141	.2299	.2333	.0081	.2414
June . . . . .	.2145	.0149	.2294	.2250	.0087	.2337
July . . . . .	.2071	.0153	.2224	.2236	.0107	.2343
August . . . . .	.1954	.0155	.2109	.2179	.0119	.2298
September . . . . .	.1908	.0155	.2063	.1916	.0119	.2035
October . . . . .	.1780	.0155	.1935	.1834	.0123	.1957
November . . . . .	.1638	.0155	.1793	.1717	.0127	.1844
December . . . . .	.1648	.0155	.1803	.1641	.0127	.1768
	1922			1921		
January	\$.2493	\$.0032	\$.2525	\$.3143	\$.0010	\$.3153
February . . . . .	.2425	.0032	.2457	.3061	.0010	.3071
March . . . . .	.2391	.0036	.2427	.2825	.0014	.2839
April . . . . .	.2398	.0038	.2436	.2755	.0016	.2771
May . . . . .	.2519	.0038	.2557	.2711	.0016	.2727
June . . . . .	.2668	.0040	.2708	.2570	.0016	.2586
July . . . . .	.2713	.0040	.2753	.2397	.0022	.2419
August . . . . .	.2630	.0040	.2670	.2345	.0022	.2367
September . . . . .	.2514	.0040	.2554	.2305	.0028	.2333
October . . . . .	.2514	.0040	.2554	.2273	.0028	.2301
November . . . . .	.2301	.0040	.2341	.2399	.0028	.2427
December . . . . .	.2219	.0040	.2259	.2545	.0028	.2573
	1920					
January	\$.2531	\$.0008	\$.2539			
February . . . . .	.2671	.0008	.2679			
March . . . . .	.2727	.0008	.2735			
April . . . . .	.2931	.0008	.2939			
May . . . . .	.2953	.0008	.2961			
June . . . . .	.3037	.0008	.3045			
July . . . . .	.3067	.0010	.3077			
August . . . . .	.3081	.0010	.3091			
September . . . . .	.3155	.0010	.3165			
October . . . . .	.3189	.0010	.3199			
November . . . . .	.3190	.0010	.3200			
December . . . . .	.3151	.0010	.3161			

² Includes state, federal, and local taxes.

³ Includes federal tax of 1 cent, the ½ cent having become ineffective Jan. 1, 1934.

⁴ Includes federal tax of 1½ cents, a ½-cent increase having become effective June 17, 1933.

⁵ Includes federal tax of 1 cent, effective June 21, 1932.

Authority: Data gathered and compiled by The Texas Company.

AVERAGE RETAIL GASOLINE PRICES, BY CITIES, 1948-1950

(Simple Averages of First-of-Month Prices in 50 Representative U. S. Cities, in Cents Per Gallon)

City	1950			1949			1948		
	Service-Station (Exclusive of Tax)	Total Gasoline Taxes ²	Service-Station (Including Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes ²	Service-Station (Including Tax)	Service-Station (Exclusive of Tax)	Total Gasoline Taxes ²	Service-Station (Including Tax)
Portland, Maine . . .	\$.1826	\$.0750	\$.2576	\$.1887	\$.0750	\$.2637	\$.1800	\$.0750	\$.2550
Manchester, N. H. . .	.1947	.0550	.2497	.1973	.0550	.2523	.1878	.0550	.2428
Burlington, Vt. . . .	.2036	.0650	.2686	.1986	.0625	.2611	.1853	.0600	.2453
Boston, Mass. . . . .	.1968	.0450	.2418	.1900	.0450	.2350	.1810	.0450	.2260
Providence, R. I. . . .	.1858	.0550	.2408	.1880	.0550	.2430	.1778	.0550	.2328
Hartford, Conn. . . .	.1813	.0550	.2363	.1911	.0550	.2461	.1830	.0550	.2380
Buffalo, N. Y. . . . .	.2065	.0550	.2615	.1976	.0550	.2526	.1918	.0550	.2468
New York, N. Y. . . .	.2100	.0550	.2650	.2033	.0550	.2583	.1950	.0550	.2500
Newark, N. J. . . . .	.1868	.0450	.2318	.1907	.0450	.2357	.1753	.0450	.2203
Philadelphia, Pa. . . .	.1869	.0650	.2519	.1882	.0608	.2490	.1740	.0550	.2290
Dover, Del. . . . .	.1982	.0650	.2632	.1930	.0600	.2530	.1850	.0550	.2400
Baltimore, Md. . . .	.1924	.0650	.2574	.1855	.0650	.2505	.1703	.0650	.2353
Washington, D. C. . .	.1986	.0550	.2536	.1930	.0550	.2480	.1803	.0550	.2353
Charleston, W. Va. . .	.2273	.0650	.2923	.2141	.0650	.2791	.1993	.0650	.2643
Norfolk, Va. . . . .	.1983	.0750	.2733	.1933	.0750	.2683	.1823	.0750	.2573
Charlotte, N. C. . . .	.2087	.0850	.2937	.2031	.0750	.2781	.1913	.0750	.2663
Charleston, S. C. . . .	.2007	.0800	.2807	.1961	.0750	.2711	.1860	.0750	.2610
Atlanta, Ga. . . . .	.2121	.0850	.2971	.2083	.0792	.2875	.2004	.0750	.2754
Jacksonville, Fla. . .	.1953	.0850	.2803	.1933	.0850	.2783	.1850	.0850	.2700
Birmingham, Ala. . .	.2083	.0850	.2933	.2081	.0850	.2931	.1992	.0850	.2842
Vicksburg, Miss. . . .	.2129	.0800	.2929	.2083	.0750	.2833	.1984	.0750	.2734
Memphis, Tenn. . . .	.1972	.0850	.2822	.2017	.0850	.2867	.1860	.0850	.2710
Lexington, Ky. . . . .	.2042	.0850	.2892	.2018	.0850	.2868	.1963	.0783	.2746
Youngstown, Ohio . .	.1900	.0550	.2450	.1900	.0550	.2450	.1900	.0550	.2450
South Bend, Ind. . . .	.2106	.0550	.2656	.2241	.0550	.2791	.2196	.0550	.2746
Chicago, Ill. . . . .	.1880	.0450	.2330	.2029	.0450	.2479	.2048	.0450	.2498
Detroit, Mich. . . . .	.2067	.0450	.2517	.2043	.0450	.2493	.2036	.0450	.2486
Milwaukee, Wis. . . .	.1940	.0550	.2490	.2129	.0550	.2679	.2188	.0550	.2738
Twin Cities, Minn. . .	.2037	.0650	.2687	.2188	.0600	.2788	.2178	.0550	.2728
Fargo, N. Dak. . . . .	.2151	.0550	.2701	.2191	.0550	.2741	.2187	.0550	.2737
Huron, S. Dak. . . . .	.2123	.0550	.2673	.2163	.0550	.2713	.2118	.0550	.2668
Omaha, Nebr. . . . .	.1933	.0742	.2675	.1964	.0708	.2672	.1945	.0650	.2595
Des Moines, Iowa. . .	.1958	.0550	.2508	.2039	.0550	.2589	.2014	.0550	.2564
St. Louis, Mo. . . . .	.1854	.0450	.2304	.2083	.0450	.2533	.2093	.0450	.2543
Wichita, Kans. . . . .	.1820	.0650	.2470	.1817	.0600	.2417	.1817	.0550	.2367
Tulsa, Okla. . . . .	.1875	.0800	.2675	.1950	.0758	.2708	.1919	.0700	.2619
Little Rock, Ark. . . .	.2117	.0800	.2917	.2033	.0800	.2833	.1913	.0800	.2713
New Orleans, La. . . .	.1967	.1050	.3017	.1978	.1050	.3028	.1839	.0950	.2789
Houston, Texas . . . .	.1850	.0550	.2400	.1800	.0550	.2350	.1800	.0550	.2350
Albuquerque, N. Mex. .	.2125	.0900	.3025	.2100	.0800	.2900	.2096	.0700	.2796
Denver, Colo. . . . .	.1896	.0750	.2646	.1929	.0750	.2679	.1950	.0750	.2700
Casper, Wyo. . . . .	.2250	.0650	.2900	.2250	.0650	.2900	.2250	.0600	.2850
Butte, Mont. . . . .	.2050	.0750	.2800	.2050	.0700	.2750	.1992	.0650	.2642
Boise, Idaho . . . . .	.2315	.0750	.3065	.2404	.0750	.3154	.2315	.0750	.3065
Salt Lake City, Utah. .	.1892	.0550	.2442	.2142	.0550	.2692	.2150	.0550	.2700
Reno, Nev. . . . .	.2175	.0700	.2875	.2178	.0700	.2878	.2033	.0700	.2733
Phoenix, Ariz. . . . .	.1997	.0650	.2647	.2192	.0650	.2842	.2057	.0650	.2707
San Francisco, Calif. .	.1912	.0600	.2512	.1905	.0600	.2505	.1792	.0600	.2392
Portland, Oreg. . . . .	.2048	.0750	.2798	.2050	.0692	.2742	.1860	.0650	.2510
Spokane, Wash. . . .	.2263	.0800	.3063	.2259	.0763	.3022	.2122	.0650	.2772

² Includes federal tax of 1½ cents; state taxes; and local taxes as follows: Birmingham, Ala., 1948, 1949, and 1950—1 cent; St. Louis, Mo., 1948, 1949, and 1950—1 cent; Albuquerque, N. Mex., 1948, 1949, and 1950—½ cent; Reno, Nev., 1948 and 1949—1½ cents, 1950—1 cent; Casper, Wyo., 1948—½ cent, 1949 and 1950—1 cent.

Authority: Data gathered and compiled by The Texas Company.

AVERAGE U. S. REFINERY PRICES OF DISTILLATE FUEL OILS, BY YEARS, 1940-1949

(Cents Per Gallon)

Year	Midwestern Range Oil	Oklahoma		Arkansas No. 2 Fuel Oil
		No. 1 Straw	No. 2 Straw	
1949.....	7.9911	7.9420	7.7286	7.1586
1948.....	9.4135	9.4402	9.6716	9.0899
1947.....	6.8430	6.8372	6.7373	6.4259
1946.....	5.3393	4.4609	4.3258	4.2824
1945.....	4.0463	3.7500	3.6250	3.6250
1944.....	4.0500	(²)	3.6250	3.6240
1943.....	4.0131	3.9375	3.6250	3.5000
1942.....	4.0404	3.8686	3.8166	3.5000
1941.....	3.9985	3.7668	3.6909	3.4258
1940.....	3.7731	3.5073	3.4671	3.4681

² Not available.

Authority: National Petroleum News.

AVERAGE RETAIL PRICE OF NO. 2 FUEL OIL IN REPRESENTATIVE U. S. CITIES, BY MONTHS, 1949

(Price,² as of 15th of the Month, for 100 Gallons)

City	January	February	March	April	May	June	July	August	September	October	November	December
Baltimore, Md.	\$12.14	\$12.14	\$12.14	\$11.32	\$10.91	\$10.94	\$10.40	\$10.40	\$11.45	\$11.63	\$11.63	\$11.63
Boston, Mass.	12.22	12.22	12.10	11.50	11.10	11.10	10.90	10.90	11.50	11.90	11.90	11.90
Buffalo, N. Y.	13.84	13.84	13.53	13.03	12.62	12.29	12.29	12.12	12.93	12.93	12.93	12.93
Chicago, Ill.	13.67	13.67	13.67	12.85	12.85	12.85	11.53	11.53	12.86	11.93	11.93	11.93
Detroit, Mich.	13.75	13.70	13.70	13.39	13.39	13.26	12.88	12.88	12.88	12.88	12.88	12.88
Jacksonville, Fla.	13.45	13.40	13.40	12.65	12.45	12.35	12.22	12.08	12.45	12.52	12.52	12.52
Kansas City, Mo.	12.68	12.61	12.61	11.80	11.80	11.80	11.29	11.29	11.19	10.91	10.91	10.91
Manchester, N. H.	13.00	13.00	12.60	12.20	11.80	11.80	11.60	11.60	12.16	12.60	12.60	12.60
Milwaukee, Wis.	14.08	14.10	14.10	13.30	13.30	13.30	12.00	12.00	12.40	12.40	12.40	12.40
Minneapolis, Minn.	13.80	13.88	13.08	12.78	12.68	11.74	11.38	10.88	11.62	11.62	11.62	11.62
New Orleans, La.	12.88	12.88	12.88	11.84	11.84	11.84	11.59	11.59	12.05	12.36	12.36	12.36
New York, N. Y.	12.74	12.30	11.65	10.93	10.59	10.32	10.22	10.20	11.57	11.89	11.83	12.02
Norfolk, Va.	11.40	11.40	11.40	10.60	10.30	10.30	9.80	9.80	10.80	11.00	11.00	11.00
Philadelphia, Pa.	12.00	12.00	12.00	11.26	10.52	10.40	10.20	10.42	11.22	11.52	11.58	11.58
Portland, Maine	12.30	12.30	12.06	11.32	11.08	11.00	10.40	10.62	11.64	11.90	11.90	11.90
Portland, Oreg.	11.64	11.64	11.64	11.64	11.64	11.64	11.64	11.64	11.64	11.64	11.64	11.64
Richmond, Va.	11.80	11.80	11.80	11.00	10.70	10.70	10.30	10.38	11.22	11.40	11.40	11.40
San Francisco, Calif.	11.38	11.38	11.38	11.38	11.38	11.38	11.44	11.44	11.44	11.44	11.44	11.44
Savannah, Ga.	14.00	14.00	14.00	13.02	12.82	12.40	12.12	11.92	12.60	12.60	12.60	12.60
Seattle, Wash.	12.65	12.65	12.65	12.65	12.65	12.65	12.65	12.65	12.65	12.65	12.65	12.65
Washington, D. C.	12.30	12.30	12.30	11.50	11.10	11.10	10.72	10.81	12.04	12.04	12.04	12.04

² Retail sales taxes, levied in several cities, are included in the prices in this table.

Authority: Bureau of Labor Statistics.

AVERAGE U. S. PRICES FOR HEAVY FUEL OILS, BY YEARS, 1924-1949

(Dollars Per Barrel)

Year	Oklahoma: 14- to 16-Deg- Gravity Fuel Oil at Refineries ¹	Gulf Coast: Bunker "C" Oil in Cargoes	New York: Bunker "C" Oil in Cargoes	California: Bunker "C" Oil ² in Cargoes
1949	\$1.4063 ⁴	\$1.5572	\$1.8967	\$1.6415
1948	2.4411	2.8672	3.0005	2.1091
1947	1.8802	2.0395	2.2862	1.5508
1946	1.1875	1.2468	1.7638	1.2155
1945	0.9700	0.9700	1.6929	1.1000
1944	0.9700	1.0225	1.8224	1.1000
1943	0.9683	1.0301	1.8204	0.9892
1942	0.9509	0.8526	1.6103	0.8531
1941	0.9143	0.8713	1.3434	0.8172
1940	0.8459	0.8794	1.3387	0.8158
1939	0.7028	0.8120	1.0426	0.8099
1938	0.7557	0.7054	1.0438	0.8838
1937	0.8108	0.9151	1.2746	1.0216
1936	0.6490	0.8484	1.0817	0.9227
1935	0.6635	0.7639	1.0658	0.8993
1934	0.6487	0.9032	1.2396	0.8375
1933	0.4220	0.6438	0.8889	0.7067
1932	0.3550	0.4775	0.7227	0.6469
1931	0.2944	0.5494	0.6398	0.6551
1930	0.5309	0.7448	1.0946	0.7565
1929	0.5427	0.7367	1.0500	0.7764
1928	0.6406	0.8043	1.1854	0.8905
1927	0.8910	1.3140	1.5210	0.8310
1926	1.2200	1.4423	1.7410	0.9810
1925	1.7560	....	1.7283	1.3816
1924	1.9063	....	1.6975	...

² 20- to 22-deg-gravity prior to 1926.

³ Pacific specification 400 beginning with June 21, 1937, grade "C," 1935 to June 21, 1937.

⁴ Jan. 1-Dec. 21, 1949.

Authority: National Petroleum News

AVERAGE TANK-WAGON PRICE OF KEROSENE IN SIX REPRESENTATIVE CITIES, 1924-1949

(Cents Per Gallon)

Year	New York ²	Washington, D. C.	Chicago	New Orleans	Denver	San Francisco	Average for 6 Cities
1949	12.9	12.6	15.3	12.0	15.3	16.8	14.2
1948	14.3	13.5	15.9	12.9	15.9	15.6	14.7
1947	11.5	11.1	13.4	9.6	13.2	14.4	12.2
1946	9.6	9.7	11.4	7.8	11.4	12.6	10.4
1945	9.8	10.8	10.5	8.6	10.0	11.5	10.2
1944	10.3	11.3	10.6	9.0	11.0	11.5	10.6
1943	10.2	11.2	10.6	9.0	11.0	11.5	10.6
1942	8.9	10.2	10.3	9.0	11.0	11.5	10.2
1941	7.9	9.2	10.2	9.1	10.6	11.5	9.8
1940	8.2	9.5	10.0	9.1	10.7	11.5	9.8
1939	7.4	9.5	10.0	9.0	11.5	11.5	9.8
1938	8.2	9.5	10.3	10.0	11.5	11.5	10.2
1937	8.5	9.2	10.0	10.3	11.4	11.5	10.2
1936	7.1	9.0	9.8	10.5	11.0	11.5	9.5
1935	7.5	9.6	9.4	10.3	12.0	11.5	10.1
1934	8.4	11.4	8.9	10.1	12.5	11.0	10.4
1933	8.5	10.3	9.1	9.6	12.5	12.7	10.3
1932	9.2	10.0	9.7	9.1	12.5	12.7	10.5
1931	11.3	10.4	9.3	11.7	14.9	12.8	11.7
1930	12.2	12.2	12.5	12.1	15.5	15.0	13.3
1929	15.0	12.2	12.8	15.1	15.5	15.3	14.3
1928	15.0	13.5	11.9	14.7	15.5	14.2	14.1
1927	15.6	12.1	12.4	14.1	15.5	14.2	14.0
1926	16.9	15.3	13.6	14.9	15.5	16.7	15.5
1925	13.2	11.9	11.5	10.6	15.5	14.4	12.9
1924	13.9	13.0	11.5	9.2	15.5	13.9	12.8

² Price in Manhattan from 1941 on. Previous prices were for all boroughs.

Authority: National Petroleum News.

AVERAGE U. S. REFINERY PRICES FOR 5 GRADES OF LUBRICATING OILS, BY YEARS, 1924-1949

(Cents Per Gallon)

Year	Oklahoma: 200 Viscosity, No. 3 Color, Neutral, 0 to 10 Pour Point ²	Oklahoma: 150 to 160 Viscosity at 210 Deg F, Bright Stock, 10 to 25 Pour Point ²	Pennsylvania: 200 Viscosity, No. 3 Color, Neutral, 420 to 425 Flash Point, 25 Pour Point ²	Pennsylvania: 600 Steam- refined, Filterable Cylinder Stock	South Texas: 500 Viscosity, No. 2½ to 3½ Color, Unfilterable, Neutral, 0 Pour Point
1949.....	13.3942	20.4762	19.2913	15.2772	13.0485
1948.....	20.5513	32.3943	39.2414	35.2478	15.0823
1947.....	18.5587	29.0511	39.4935	31.5722	13.2428
1946.....	14.6784	23.9461	32.5475	18.4510	10.6174
1945.....	13.5000	23.0000	30.5000	15.0000	10.0000
1944.....	14.0000	23.0000	30.4271	15.0000	10.0000
1943.....	15.0000	23.0000	26.1254	15.0000	10.0000
1942.....	15.0417	23.0417	30.9377	15.0563	10.0000
1941.....	12.2335	19.0625	29.4218	12.5505	9.2969
1940.....	11.5646	18.6611	23.5558	10.9382	8.8615
1939.....	11.1432	17.2760	20.0339	10.8875	7.9906
1938.....	10.4375	15.3984	15.4823	8.4885	7.9167
1937.....	10.4583	18.5458	24.2500	13.9578	8.8771
1936.....	11.2281	17.6719	21.3854	12.5130	8.4542
1935.....	11.7500	15.0021	23.9312	9.1510	8.5000
1934.....	11.0177	20.1604	28.1792	14.8760	9.0104
1933.....	8.6068	18.4630	17.0916	12.1849	7.4833
1932.....	8.4791	18.4031	16.6170	12.4567	7.7406
1931.....	9.3109	17.1239	20.5479	10.3109	9.6625
1930.....	11.1370	29.9187	21.9286	16.1359	11.6984
1929.....	10.1224	34.6218	27.6963	27.5951	12.1219
1928.....	10.1891	24.4065	32.0516	12.6740	12.9870
1927.....	10.5840	26.7670	33.7720	10.3130	13.3080
1926.....	11.5180	29.2400	28.2210	14.6870	15.1010
1925.....	11.6443	29.4583	24.2530	18.6655	17.2594
1924.....	13.3541	.....	26.2826	19.7680	18.0208

² Pour point not specified prior to 1932.

² Pour point not specified prior to 1940.

Authority: National Petroleum News.

AVERAGE U. S. REFINERY PRICES OF 2 GRADES OF WAX, BY YEARS, 1924-1949

(Cents Per Pound)

Year	Pennsylvania: 122-124 White, Crude Scale	Oklahoma: 132-134 White, Crude Scale ²
1949.....	4.8459	.....⁴
1948.....	8.0109	.....⁴
1947.....	7.6119	8.7463 ³
1946.....	4.3833	5.7881
1945.....	4.2500	5.1979
1944.....	4.2500	5.1970
1943.....	4.2500	5.2500
1942.....	4.2500	5.2500
1941.....	4.4461	4.5606
1940.....	3.9192	4.0854
1939.....	3.6442	3.6738
1938.....	2.2328	2.3572
1937.....	2.8211	2.9174
1936.....	2.4252	2.5568
1935.....	2.2898	2.3405
1934.....	3.5516	3.4771
1933.....	2.8696	2.6535
1932.....	2.0134	1.8146
1931.....	2.1377	1.8976
1930.....	2.5292	2.3216
1929.....	3.4770	3.3107
1928.....	4.3326	4.0810
1927.....	3.4010	3.1250
1926.....	5.1880	4.8010
1925.....	5.4836	5.1790
1924.....	5.0297	4.5773

² Prices through 1941 are for 124-126 AMP, which grade was discontinued.

³ Jan. 1 to July 15.

⁴ Discontinued.

Authority: National Petroleum News.

INDEX OF U. S. WHOLESALE PRICES OF PETROLEUM PRODUCTS COMPARED WITH OTHER COMMODITY PRICES, 1913-1949

(1926 = 100)

Year	Petroleum Products	All Commodities (813)	All Products Except Farm and Products	Foods	Farm Products	Foods	Leather and Hides Products	Textile Products	Fuel and Lighting Materials	Metals and Metal Products	Building Materials	House-Furnishing Goods	Chemicals and Allied Products	Miscellaneous Commodities
1949.....	112.2	155.0	147.3	161.4	165.5	161.4	147.3	140.4	131.7	170.2	193.4	145.3	118.6	112.3
1948.....	122.1	165.1	151.0	179.1	188.3	179.1	151.0	149.8	134.2	163.6	199.1	144.5	135.7	126.5
1947.....	90.2	152.1	135.2	168.7	181.2	168.7	135.2	141.7	108.7	145.0	179.7	131.1	127.3	115.5
1946.....	67.5	121.1	109.5	130.7	148.9	130.7	109.5	116.3	90.1	115.5	132.6	111.6	101.4	100.3
1945.....	63.5	105.8	99.7	106.2	128.2	106.2	99.7	100.1	84.0	104.7	117.8	104.5	95.2	94.7
1944.....	63.9	104.0	98.5	104.9	123.3	104.9	98.5	98.4	83.0	103.8	115.5	104.3	95.2	93.5
1943.....	62.5	103.1	96.9	106.6	122.6	106.6	96.9	97.4	80.8	103.8	111.4	102.7	100.3	92.2
1942.....	59.8	98.8	95.5	99.6	105.9	99.6	95.5	96.9	78.5	103.8	110.2	102.4	97.1	89.7
1941.....	57.0	87.3	82.4	82.7	82.4	82.7	82.4	84.4	76.2	99.4	103.2	94.3	84.6	82.0
1940.....	50.0	78.6	83.0	71.3	67.7	71.3	83.0	73.8	71.7	95.8	94.8	88.5	77.0	74.0
1939.....	52.2	77.1	81.3	70.4	65.3	70.4	81.3	79.7	73.1	94.4	90.5	86.3	76.0	74.8
1938.....	55.9	78.6	81.7	73.6	68.5	73.6	81.7	66.7	76.5	95.7	90.3	86.8	77.6	73.3
1937.....	60.5	86.3	85.3	85.5	86.4	85.5	85.3	76.3	77.6	95.7	95.2	89.7	83.9	77.8
1936.....	57.3	80.8	82.1	82.1	80.9	82.1	79.6	71.5	76.2	87.0	86.7	81.7	80.4	70.5
1935.....	51.3	80.0	77.9	83.7	78.8	83.7	77.9	70.9	73.5	86.4	85.3	80.6	80.5	68.5
1934.....	50.5	74.9	78.4	70.5	65.3	70.5	78.4	72.9	73.3	86.9	86.2	81.5	75.9	69.7
1933.....	41.0	65.9	71.2	60.5	51.4	60.5	71.2	64.8	66.3	79.8	77.0	75.8	72.6	62.5
1932.....	48.4	64.8	70.2	71.0	48.2	71.0	70.2	54.9	70.3	80.2	71.4	75.1	73.5	64.4
1931.....	39.5	73.0	74.6	74.6	64.8	74.6	75.0	66.3	67.5	84.5	79.2	84.9	79.3	69.8
1930.....	61.5	86.4	85.2	90.5	88.3	90.5	85.2	80.3	78.5	92.1	89.9	92.7	89.1	77.7
1929.....	71.3	95.3	91.6	99.9	104.9	99.9	91.6	90.4	83.0	100.5	95.4	94.3	94.2	82.6
1928.....	72.0	96.7	92.9	101.0	105.9	101.0	92.9	95.5	84.3	99.3	94.1	95.1	95.6	85.4
1927.....	72.0	96.7	92.9	101.0	105.9	101.0	92.9	95.5	84.3	99.3	94.1	95.1	95.6	85.4
1926.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1925.....	95.0	103.5	102.6	100.2	109.8	100.2	102.6	108.3	96.5	103.2	101.7	103.1	101.8	109.0
1924.....	83.5	98.1	99.7	91.0	100.0	91.0	99.7	106.7	92.0	106.3	102.3	104.9	98.9	93.6
1923.....	92.6	109.5	92.7	92.7	98.6	92.7	92.7	111.3	97.3	109.3	108.7	108.9	101.1	99.7
1922.....	102.9	98.7	97.6	87.6	93.9	87.6	97.6	100.2	107.3	102.9	97.3	103.5	100.3	92.8
1921.....	104.4	97.6	90.6	90.6	88.4	90.6	90.6	94.8	96.8	117.5	97.4	113.0	115.0	109.2
1920.....	183.5	154.4	137.4	137.4	150.7	137.4	137.4	164.8	163.7	149.4	150.1	141.8	164.7	167.5
1919.....	128.0	138.6	129.5	129.5	157.6	129.5	129.5	135.3	104.3	130.9	115.6	105.9	157.0	139.1
1918.....	135.3	131.3	119.1	119.1	148.0	119.1	119.1	137.2	109.2	136.5	98.6	93.3	182.3	134.4
1917.....	112.1	111.5	104.5	104.5	123.0	104.5	104.5	98.7	105.4	150.6	88.2	74.2	165.0	122.1
1916.....	57.3	85.5	75.7	75.7	84.4	75.7	75.7	70.4	74.3	116.5	67.6	61.4	160.7	100.6
1915.....	54.1	69.5	65.4	65.4	71.5	65.4	65.4	54.1	51.8	86.3	53.5	56.0	112.0	86.9
1914.....	65.8	68.1	64.7	64.7	71.2	64.7	64.7	54.6	56.6	80.2	52.7	56.8	81.4	89.9
1913.....	73.3	69.8	64.2	64.2	71.5	64.2	64.2	57.3	61.3	90.8	56.7	56.3	80.2	93.1

Authority: Bureau of Labor Statistics

INDEX ² OF U. S. RETAIL PRICES OF GASOLINE COMPARED WITH THE CONSUMER PRICE INDEX, BY YEARS, 1920-1949

(1935-1939 = 100)

Year	Gasoline, Service Station (Including Taxes)	All Items	Food	Housing	Clothing	Fuel and Light	Miscel- laneous
1949.....	138.7	169.1	201.9	120.8	190.1	137.5	154.7
1948.....	134.0	171.2	210.2	117.4	198.0	133.9	149.9
1947.....	119.7	159.2	193.8	111.2	185.8	121.1	139.9
1946.....	107.6	139.3	159.6	108.6	160.2	112.4	128.8
1945.....	106.2	128.4	139.1	108.3	145.9	110.3	124.1
1944.....	106.6	125.5	136.1	108.2	138.8	109.8	121.3
1943.....	106.3	123.6	138.0	108.0	129.7	107.7	115.8
1942.....	105.8	116.5	123.9	108.5	124.2	105.4	110.9
1941.....	99.6	105.2	105.5	106.2	106.3	102.2	104.0
1940.....	95.3	100.2	96.6	104.6	101.7	99.7	101.1
1939.....	97.1	99.4	95.2	104.3	100.5	99.0	100.7
1938.....	101.0	100.8	97.8	104.1	102.2	99.9	101.5
1937.....	103.5	102.7	105.3	100.9	102.8	100.2	101.0
1936.....	100.7	99.1	101.3	96.4	97.6	100.2	98.7
1935.....	97.6	98.1	100.4	94.2	96.8	100.7	98.1
1934.....	97.6	95.7	93.7	94.4	96.1	101.4	97.9
1933.....	85.8	92.4	84.1	100.7	87.9	100.0	98.4
1932.....	90.3	97.6	86.5	116.9	90.8	103.4	101.7
1931.....	88.0	108.7	103.9	130.3	102.6	108.9	104.1
1930.....	103.3	119.4	126.0	137.5	112.7	111.4	105.1
1929.....	110.9	122.5	132.5	141.4	115.3	112.5	104.6
1928.....	108.4	122.6	130.8	144.8	116.5	113.4	103.8
1927.....	109.2	124.0	132.3	148.3	118.3	115.4	103.2
1926.....	121.1	126.4	137.4	150.7	120.6	117.2	102.6
1925.....	115.0	125.4	132.9	152.2	122.4	115.4	102.2
1924.....	108.5	122.2	122.8	151.6	124.9	113.7	101.4
1923.....	113.8	121.9	124.0	146.4	125.9	115.2	100.8
1922.....	130.5	119.7	119.9	142.7	125.6	113.1	101.2
1921.....	136.3	127.7	128.3	138.6	154.8	114.0	104.3
1920.....	154.5	143.3	168.8	120.7	201.0	106.9	100.5

² Gasoline price index calculated by the American Petroleum Institute and based on The Texas Company's average price of house brand gasoline plus tax per gallon in 50 representative U. S. cities. Other indexes are from the Bureau of Labor Statistics' Consumer Price Index.

Authority: American Petroleum Institute; The Texas Company; Bureau of Labor Statistics.

PURCHASING POWER ² OF THE DOLLAR IN TERMS OF GASOLINE AND OTHER CONSUMER PRICES, BY YEARS, 1920-1949

Year	Gasoline, Service Station (Including Taxes)	All Items	Food	Housing	Clothing	Fuel and Light	Miscel- laneous
1949.....	.72	.59	.50	.83	.53	.73	.65
1948.....	.75	.58	.48	.85	.51	.75	.67
1947.....	.84	.63	.52	.90	.54	.83	.71
1946.....	.93	.72	.63	.92	.62	.89	.78
1945.....	.94	.78	.72	.92	.69	.91	.81
1944.....	.94	.80	.73	.92	.72	.91	.82
1943.....	.94	.81	.72	.93	.77	.93	.86
1942.....	.95	.86	.81	.92	.81	.95	.90
1941.....	1.00	.95	.95	.94	.94	.98	.96
1940.....	1.05	1.00	1.04	.96	.98	1.00	.99
1939.....	1.03	1.01	1.05	.96	1.00	1.01	.99
1938.....	.99	.99	1.02	.96	.98	1.00	.99
1937.....	.97	.97	.95	.99	.97	1.00	.99
1936.....	.99	1.01	.99	1.04	1.02	1.00	1.01
1935.....	1.02	1.02	1.00	1.06	1.03	.99	1.02
1934.....	1.02	1.04	1.07	1.06	1.04	.99	1.02
1933.....	1.17	1.08	1.19	.99	1.14	1.00	1.02
1932.....	1.11	1.02	1.16	.86	1.10	.97	.98
1931.....	1.14	.92	.96	.77	.97	.92	.96
1930.....	.97	.84	.79	.73	.89	.90	.95
1929.....	.90	.82	.75	.71	.87	.89	.96
1928.....	.92	.82	.76	.69	.86	.88	.96
1927.....	.92	.81	.76	.67	.85	.87	.97
1926.....	.83	.79	.73	.66	.83	.85	.97
1925.....	.87	.80	.75	.66	.82	.87	.98
1924.....	.92	.82	.81	.66	.80	.88	.99
1923.....	.88	.82	.81	.68	.79	.87	.99
1922.....	.77	.84	.83	.70	.80	.88	.99
1921.....	.73	.78	.78	.72	.65	.88	.96
1920.....	.65	.70	.59	.83	.50	.94	1.00

² The figures in this table are the reciprocals of consumer price indexes (1935-1939 = 100) multiplied by 100. They represent the amounts of gasoline and other items listed which are purchasable with \$1.00, based on an average of 1935-1939 prices.

Authority: American Petroleum Institute; The Texas Company; Bureau of Labor Statistics.

TREND IN U. S. IN STATE GASOLINE-TAX RATES, 1919-1950

(Number of States, Including District of Columbia, Levying at Each Rate.²)

(Cents Per Gallon)

Year	Tax Rate														Number of States ⁴ Levying Gasoline Tax
	1	2	2½	3 ³	3½	4	4½	5	5½	6	6½	7	7½	9	
1950 ⁵	1	..	4	..	14	1	8	1	8	3	8	..	1	49
1949.....	..	1	..	4	..	14	1	8	1	10	3	6	..	1	49
1948.....	..	1	..	4	..	16	2	7	1	11	2	4	..	1	49
1947.....	..	1	..	4	..	19	2	9	1	9	1	3	..	..	49
1946.....	..	1	..	8	..	20	..	8	..	7	1	3	1	..	49
1945.....	..	1	..	9	..	19	..	9	..	6	1	3	1	..	49
1944.....	..	1	..	10	..	18	..	11	..	5	1	3	..	..	49
1943.....	..	1	..	10	..	18	..	11	..	5	1	3	..	..	49
1942.....	..	1	..	10	..	18	..	11	..	5	1	3	..	..	49
1941.....	..	2	..	9	..	18	..	11	..	5	1	3	..	..	49
1940.....	..	2	..	9	..	19	..	10	..	5	1	3	..	..	49
1939.....	..	2	..	9	..	19	..	10	..	5	1	3	..	..	49
1938.....	..	2	..	10	..	18	..	10	..	5	1	3	..	..	49
1937.....	..	2	..	10	..	18	..	10	..	5	1	3	..	..	49
1936.....	..	3	..	11	..	17	..	9	..	5	1	3	..	..	49
1935.....	..	3	..	10	..	18	..	10	..	5	1	2	..	..	49
1934.....	..	4	..	12	..	15	..	10	..	5	1	2	..	..	49
1933.....	..	4	..	12	..	16	..	9	..	6	..	2	..	..	49
1932.....	..	4	..	12	..	17	..	9	..	5	..	2	..	..	49
1931.....	..	5	..	11	..	17	..	9	1	4	..	2	..	..	49
1929.....	..	8	..	9	1	20	..	8	..	3	..	..	..	..	49
1927.....	..	16	..	14	1	11	1	4	..	..	..	..	..	..	47
1925.....	3	21	1	13	2	4	..	1	..	..	..	..	..	..	45
1923.....	13	13	1	8	..	..	..	..	..	..	..	..	..	..	35
1921.....	14	2	..	..	..	..	..	..	..	..	..	..	..	..	16
1919.....	3	1	..	..	..	..	..	..	..	..	..	..	..	..	4

² In years when rate changes, highest rate levied during the year is used.

³ Minnesota rate changed from 4 cents to 3 cents effective Sept. 30, 1940, but was restored May 1, 1941; therefore, no change is reflected in the table.

⁴ Includes District of Columbia.

⁵ As of November 1.

Authority: 1919 through 1933, F. G. Crawford, *Motor-Fuel Taxation in the United States*;
1934 through 1950, American Petroleum Industries Committee.

STATE GASOLINE-TAX RATES, BY STATES AND BY YEARS, 1919-1950¹

(Cents Per Gallon)

State	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940
Alabama	6	6	6	6	6	6	6	6	6	6	6
Arizona	5	5	5	5	5	5	5	5	5	5	5
Arkansas	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
California	4.5	4.5	4.5	3-4.5	3	3	3	3	3	3	3
Colorado	6	6	6	4-6	4	4	4	4	4	4	4
Connecticut	4	4	4	3-4	3	3	3	3	3	3	3
Delaware	5	4-5	4	4	4	4	4	4	4	4	4
District of Columbia	4	4	4	3-4	3	3	3	3	3	2	2
Florida	7	7	7	7	7	7	7	7	7	7	7
Georgia	7	6-7	6	6	6	6	6	6	6	6	6
Idaho	6	6	6	6	6	5.1-6	5.1	5.1	5.1	5.1	5.1
Illinois	3	3	3	3	3	3	3	3	3	3	3
Indiana	4	4	4	4	4	4	4	4	4	4	4
Iowa	4	4	4	4	4	3-4	3	3	3	3	3
Kansas	5	4-5	4	4	3-4	3	3	3	3	3	3
Kentucky	7	7	5-7	5	5	5	5	5	5	5	5
Louisiana	9	9	7-9	7	7	7	7	7	7	7	7
Maine	6	6	6	4-6	4	4	4	4	4	4	4
Maryland	5	5	5	4-5	4	4	4	4	4	4	4
Massachusetts	3	3	3	3	3	3	3	3	3	3	3
Michigan	3	3	3	3	3	3	3	3	3	3	3
Minnesota	5	4-5	4	4	4	4	4	4	4	3-4	4-3
Mississippi	6-7	6	6	6	6	6	6	6	6	6	6
Missouri	2	2	2	2	2	2	2	2	2	2	2
Montana	6	5-6	5	5	5	5	5	5	5	5	5
Nebraska	6-5	5-6	5	5	5	5	5	5	5	5	5
Nevada	4 5-5.5	4-4.5	4	4	4	4	4	4	4	4	4
New Hampshire	4	4	4	4	4	4	4	4	4	4	4
New Jersey	3	3	3	3	3	3	3	3	3	3	3
New Mexico	7	5-7	5	5	5	5	5	5	5	5	5
New York	4	4	4	4	4	4	4	4	4	4	4
North Carolina	6-7	6	6	6	6	6	6	6	6	6	6
North Dakota	4	4	4	4	4	4	4	4	4	4	4
Ohio	4	4	4	4	4	4	4	4	4	4	4
Oklahoma	6.5	5.5-6.5	5.5	5.5	7.5	5.5-7.5	5.5	5.5	5.5	4-5.5	4
Oregon	6	5-6	5	5	5	5	5	5	5	5	5
Pennsylvania	5	4-5	4	4-3-4	4	4	4	4	4	4	4
Rhode Island	4	4	4	3-4	3	3	3	3	3	3	3
South Carolina	6-7	6	6	6	6	6	6	6	6	6	6
South Dakota	4	4	4	4	4	4	4	4	4	4	4
Tennessee	7	7	7	7	7	7	7	7	7	7	7
Texas	4	4	4	4	4	4	4	4	4	4	4
Utah	4	4	4	4	4	4	4	4	4	4	4
Vermont	5	4-5-5	4.5	4-4.5	4	4	4	4	4	4	4
Virginia	6	6	6	6	5-6	5	5	5	5	5	5
Washington	6.5	5-6.5	5	5	5	5	5	5	5	5	5
West Virginia	5	5	5	5	5	5	5	5	5	5	5
Wisconsin	4	4	4	4	4	4	4	4	4	4	4
Wyoming	4	4	4	4	4	4	4	4	4	4	4
Weighted-average rate ²	(4)	4.52	4.35	4.25	4.16	4.10	4.06	4.05	3.99	3.99	3.96

STATE GASOLINE-TAX RATES, BY STATES AND BY YEARS, 1919-1950¹—Continued

(Cents Per Gallon)											
State	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929
Alabama	6	6	6	6	6	6	6	5-6	4-5	4	4
Arizona	5	5	5	5	5	5	5	5	4-5	4	4
Arkansas	6.5	6.5	6.5	6.5	6.5	6-6.5	6	6	5-6	5	5
California	3	3	3	3	3	3	3	3	3	3	3
Colorado	4	4	4	4	4	4-5-4	4	4	4	4	3-4
Connecticut	3	3	3	3	2-3	2	2	2	2	2	2
Delaware	4	4	4	4	3-4	3	3	3	3	3	3
District of Columbia ..	2	2	2	2	2	2	2	2	2	2	2
Florida	7	7	7	7	7	7	7	7	6-7	6	5-6
Georgia	6	6	6	6	6	6	6	6	6	6	4-6
Idaho	5.1	5	5	5	5	5	5	5	5	4-5	4
Illinois	3	3	3	3	3	3	3	3	3	3	3
Indiana	4	4	4	4	4	4	4	4	4	4	3-4
Iowa	3	3	3	3	3	3	3	3	3	3	3
Kansas	3	3	3	3	3	3	3	3	3	3	2-3
Kentucky	5	5	5	5	5	5	5	5	5	5	5
Louisiana	7	7	7	5-7	5	5	5	5	5	4-5	2-4
Maine	4	4	4	4	4	4	4	4	4	4	4
Maryland	4	4	4	4	4	4	4	4	4	4	4
Massachusetts	3	3	3	3	3	3	3	3	3	2-3	2
Michigan	3	3	3	3	3	3	3	3	3	3	3
Minnesota	4	4	3-4	3	3	3	3	3	3	3	2-3
Mississippi	6	6	6	6	6	6	6	5-5-6	5-5	5	5
Missouri	2	2	2	2	2	2	2	2	2	2	2
Montana	5	5	5	5	5	5	5	5	5	5	3-5
Nebraska	5	5	5-4-5	5	4-5	4	4	4	4	4	2-4
Nevada	4	4	4	4	4	4	4	4	4	4	4
New Hampshire	4	4	4	4	4	4	4	4	4	4	4
New Jersey	3	3	3	3	3	3	3	3	2-3	2	2
New Mexico	5	5	5	5	5	5	5	5	5	5	5
New York	4	4	3-4	4-3	3-4	3	3	2-3	2	2	2
North Carolina	6	6	6	6	6	6	6	6	5-6	5	4-5
North Dakota	3-4	3	3	3	3	3	3	3	3	3	3
Ohio	4	4	4	4	4	4	4	4	4	4	3-4
Oklahoma	4	4	4	4	4	4	4	4	4-5	4	3-4
Oregon	5	5	5	5	5	5	4	4	4	4	4
Pennsylvania	4	4	4	4	3-4	3	3	3	3	4-3	3-4
Rhode Island	3	3	2-3	2	2	2	2	2	2	2	2
South Carolina	6	6	6	6	6	6	6	6	6	6	5-6
South Dakota	4	4	4	4	4	4	4	4	4	4	4
Tennessee	7	7	7	7	7	7	7	5-6-7	5	5	3-5
Texas	4	4	4	4	4	4	4	4	4	4	4
Utah	4	4	4	4	4	4	4	3-5-4	3-5	3-5	3-5
Vermont	4	4	4	4	4	4	4	4	4	4	3-4
Virginia	5	5	5	5	5	5	5	5	5	5	5
Washington	5	5	5	5	5	5	5	5	3-5	3	2-3
West Virginia	5	5	4-5	4	4	4	4	4	4	4	4
Wisconsin	4	4	4	4	4	4	4	4	2-4	2	2
Wyoming	4	4	4	4	4	4	4	4	4	4	3-4
Weighted-average rate ²	3.96	3.96	3.91	3.85	3.80	3.66	3.65	3.60	3.48	3.35	..

STATE GASOLINE-TAX RATES, BY STATES AND BY YEARS, 1919-1950¹—Continued

State	(Cents Per Gallon)									
	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919
Alabama	4	2-4	2	2	2	2	..	..	..	..
Arizona	4	3-4	3	3	3	1-3	1	1	..	..
Arkansas	5	5	4-5	4	4	1-3	1	1	..	..
California	3	2-3	2	2	2	2	..	..	..	..
Colorado	3	2-3	2	2	2	2	1	1	1	1-2
Connecticut	2	2	2	2	1-2	1	1	1	..	..
Delaware	2-3	2	2	2	2	1	..	..	..	..
District of Columbia.	2	2	2	2	2	..	..	..	..	..
Florida	5	4-5	4	3-4	3	1-3	1	1	..	..
Georgia	4	3-5-4	3-3-5	3	3	1-3	1	1	..	..
Idaho	4	4	3	2-3	2	2	..	..	..	..
Illinois .....	..	2	..	..	..	..	..	..	..	..
Indiana	3	3	3	2-3	2	2	..	..	..	..
Iowa	3	2-3	2	2	..	..	..	..	..	..
Kansas	2	2	2	2	2	..	..	..	..	..
Kentucky	5	5	5	3	1-3	1	1	1	..	..
Louisiana	2	2	2	2	1-2	1	1	1	1	..
Maine	4	3-4	3	1-3	1	1	..	..	..	..
Maryland	4	2-4	2	2	2	2	1	..	..	..
Massachusetts	2	..	..	..	..	..	..	..	..	..
Michigan	3	2-3	2	2	..	..	..	..	..	..
Minnesota	2	2	2	2	..	..	..	..	..	..
Mississippi	4-5	4	4	3	1-3	1	1	..	..	..
Missouri	2	2	2	2	..	..	..	..	..	..
Montana	3	3	3	2	2	1-2	1	1	..	..
Nebraska	2	2	2	2	..	..	..	..	..	..
Nevada	4	4	4	2-4	2	2	..	..	..	..
New Hampshire.....	4	2-3	2	2	2	1	..	..	..	..
New Jersey.....	2	2	..	..	..	..	..	..	..	..
New Mexico.....	5	3-5	3	1-3	1	1	1	..	2	1
New York.....	..	..	..	..	..	..	..	1	..	..
North Carolina.....	4	4	4	3-4	3	1-3	1	..	..	..
North Dakota.....	2	2	1-2	1	1	1	1	1	1	1
Ohio	3	2-3	2	2	..	..	..	1	..	..
Oklahoma	3	3	3	2-5-3	1-2-5	1	..	..	..	..
Oregon	3	3	3	3	3	3	2	2	1	1
Pennsylvania	3	2-3	2	2	2	1-2	1	1	..	..
Rhode Island.....	2	1-2	1	1	..	..	..	..	..	..
South Carolina.....	5	5	5	3-5	3	2-3	2	..	..	..
South Dakota.....	4	3-4	3	2-3	2	1-2	1	..	..	..
Tennessee	3	3	3	2-3	2	2	..	..	..	..
Texas	3-2	1-3	1	1	1	1	..	..	..	..
Utah	3-5	3-5	3-5	2-5-3-5	2-5	2-5	..	..	..	..
Vermont	3	2-3	2	1-2	1	1	..	..	..	..
Virginia	4-5-5	4-5	3-4-5	3	3	3	..	..	..	..
Washington	2	2	2	2	2	2	1	1	..	..
West Virginia.....	4	3-5-4	3-5	2-3-5	2	2	..	..	..	..
Wisconsin	2	2	2	2	..	..	..	..	..	..
Wyoming	3	2-5-3	2-5	1-2-5	1	1	..	..	..	..
Weighted-average rate ² .....	..	..	..	..	..	..	..	..	..	..

¹ The tax rates given were in effect Dec. 31 for all years except 1950. The 1950 tax rates given were in effect November 1.

² The first year in which gasoline taxes were in effect in all states during the entire year was 1930. Weighted averages, based on the net gallons taxed, are shown.

³ Not available.

Authority: Bureau of Public Roads; American Petroleum Industries Committee.

NET MOTOR-FUEL TAX RECEIPTS IN THE U. S.—BY STATES AND BY YEARS, 1920-1948¹

(Thousands of Dollars)

State	1948	1947	1946	1945	1944	1943	1942
Alabama	28,238	25,653	22,811	17,371	15,126	14,339	18,360
Arizona	9,385	8,383	7,569	5,365	4,310	4,106	5,260
Arkansas	19,908	18,346	16,734	12,586	10,564	10,230	12,658
California	127,177	95,044	70,892	51,584	43,570	43,100	53,912
Colorado	18,377	16,328	10,526	7,557	6,347	6,365	8,168
Connecticut	17,126	13,562	11,073	7,787	6,710	6,880	9,343
Delaware	2,937	2,726	2,514	1,885	1,661	1,531	2,028
District of Columbia..	6,514	5,051	4,126	3,155	2,861	2,877	4,230
Florida	44,454	40,906	35,887	25,486	21,661	20,612	23,402
Georgia	36,674	34,006	30,759	23,173	20,232	18,182	21,585
Idaho	9,441	8,597	7,954	5,417	4,208	3,944	4,721
Illinois	52,020	45,996	42,546	31,938	28,812	29,111	39,734
Indiana	35,599	32,490	29,304	22,472	19,736	19,788	25,897
Iowa	24,446	22,776	21,480	14,209	10,999	10,544	13,777
Kansas	20,223	18,860	15,955	8,898	7,811	8,058	10,216
Kentucky	28,778	21,663	19,013	14,177	12,330	12,193	14,384
Louisiana	33,761	27,354	24,889	19,538	17,539	16,325	19,552
Maine	11,849	9,818	6,976	5,010	4,301	3,919	5,119
Maryland	20,064	16,574	13,395	10,458	9,573	9,057	11,313
Massachusetts	23,922	22,836	20,207	15,376	13,077	13,095	16,627
Michigan	42,463	39,394	35,186	26,297	23,657	23,193	31,615
Minnesota	25,793	23,282	22,318	15,896	14,179	13,390	18,846
Mississippi	20,395	18,993	16,933	12,543	10,918	9,986	12,650
Missouri	17,623	16,529	14,116	10,035	9,150	9,802	12,670
Montana	7,463	6,863	6,227	4,526	3,908	3,601	4,749
Nebraska	18,206	16,779	14,963	11,930	10,142	10,009	11,661
Nevada	2,507	2,361	2,119	1,421	1,160	1,210	1,671
New Hampshire	4,564	4,268	3,878	2,716	2,260	1,955	2,891
New Jersey	28,606	26,903	24,028	17,719	15,811	14,488	21,631
New Mexico	8,418	7,512	7,109	4,749	3,737	3,392	4,362
New York	81,291	76,109	69,885	50,626	45,305	42,926	58,657
North Carolina	42,476	39,341	35,817	25,666	21,542	20,336	24,293
North Dakota	5,341	7,237	3,710	2,833	2,556	2,435	3,226
Ohio	69,800	66,445	57,367	45,125	40,340	41,443	52,911
Oklahoma	26,486	25,536	30,669	21,897	15,849	14,947	19,142
Oregon	20,952	18,925	16,945	11,519	9,880	9,630	11,934
Pennsylvania	78,525	70,318	63,183	47,674	42,432	43,450	55,883
Rhode Island	5,775	4,967	3,840	2,964	2,623	2,585	3,404
South Carolina	22,052	20,279	17,957	13,046	11,404	10,526	13,053
South Dakota	6,642	6,157	5,338	3,919	3,644	3,596	4,378
Tennessee	37,195	33,190	31,283	23,401	20,813	19,920	23,509
Texas	73,724	66,837	60,310	46,177	40,400	37,631	48,365
Utah	7,045	6,430	5,720	4,388	3,808	3,892	4,249
Vermont	4,124	3,530	3,026	2,130	1,783	1,620	2,256
Virginia	36,830	33,453	28,573	18,439	16,567	15,279	19,472
Washington	27,892	25,847	23,608	17,275	15,123	14,998	18,327
West Virginia	15,974	13,698	11,947	8,844	7,694	7,264	9,996
Wisconsin	29,170	27,321	24,236	18,764	16,291	15,046	20,991
Wyoming	4,748	4,245	3,704	2,701	2,202	2,049	2,479
U. S. total.....	1,342,973	1,199,718	1,058,605	778,662	676,608	654,855	839,457

NET MOTOR-FUEL TAX RECEIPTS IN THE U. S.—BY STATES AND BY YEARS, 1920-1948¹—Continued

State	(Thousands of Dollars)					
	1941	1940	1939	1938	1937	1936
Alabama	18,323	15,470	14,415	13,523	13,295	11,754
Arizona	5,361	4,767	4,445	4,243	4,325	3,841
Arkansas	13,100	11,312	10,647	10,004	9,877	9,155
California	58,076	51,960	49,795	47,101	46,614	42,996
Colorado	8,833	8,291	7,751	7,465	7,431	6,833
Connecticut	11,758	11,032	9,910	9,192	9,445	8,782
Delaware	2,501	2,322	2,143	2,069	2,031	1,853
District of Columbia ..	3,479	3,222	2,784	2,509	2,724	2,382
Florida	29,832	26,929	24,323	22,801	22,023	19,925
Georgia	26,049	22,809	21,054	19,633	19,550	17,493
Idaho	5,231	4,822	4,467	4,088	4,035	3,692
Illinois	44,762	41,360	39,000	36,481	35,836	33,458
Indiana	28,518	25,494	23,825	22,259	22,987	20,695
Iowa	15,338	14,592	13,971	13,233	13,023	12,196
Kansas	11,234	10,402	10,023	10,017	10,083	9,372
Kentucky	16,175	14,713	13,834	12,528	12,671	11,273
Louisiana	21,425	18,584	17,381	16,543	15,923	12,121
Maine	6,657	5,940	5,722	5,558	5,550	5,202
Maryland	13,070	11,448	10,638	9,929	9,857	8,921
Massachusetts	22,488	21,401	20,512	20,194	19,836	18,448
Michigan	35,585	32,466	29,830	27,724	29,425	25,735
Minnesota	18,870	18,345	18,646	19,380	15,293	12,133
Mississippi	13,753	11,931	11,309	10,181	10,222	9,062
Missouri	14,277	13,301	12,096	11,502	11,082	11,072
Montana	5,467	5,068	4,800	4,452	4,581	4,455
Nebraska	12,268	11,742	11,481	11,026	10,925	11,218
Nevada	1,683	1,485	1,336	1,201	1,177	1,080
New Hampshire	3,715	3,616	3,508	3,297	3,286	3,180
New Jersey	26,221	24,226	23,006	22,294	21,565	19,087
New Mexico	5,076	4,676	4,295	4,066	4,003	3,389
New York	74,458	73,055	69,693	66,132	61,841	55,634
North Carolina	30,649	26,274	24,532	23,300	22,429	19,994
North Dakota	3,515	3,351	2,648	2,254	2,873	2,245
Ohio	58,113	50,789	50,466	45,982	46,538	43,450
Oklahoma	18,661	14,771	14,206	13,905	13,768	13,211
Oregon	13,029	11,359	10,591	9,846	9,799	9,208
Pennsylvania	64,867	62,487	59,584	51,914	55,711	49,364
Rhode Island	4,272	3,941	4,027	3,492	3,090	2,226
South Carolina	15,817	13,622	12,297	11,254	10,901	9,495
South Dakota	4,559	4,453	3,956	4,048	4,071	4,068
Tennessee	24,190	21,112	18,756	18,276	17,914	17,177
Texas	52,747	47,518	45,189	42,720	41,671	38,467
Utah	4,432	4,055	3,735	3,522	3,421	3,087
Vermont	2,830	2,781	2,679	2,530	2,323	2,277
Virginia	22,916	19,404	17,831	16,620	16,114	14,703
Washington	19,321	17,172	15,994	15,421	15,268	14,336
West Virginia	11,553	10,680	10,409	9,386	8,488	6,803
Wisconsin	22,737	21,150	20,271	19,253	19,537	17,831
Wyoming	3,065	2,772	2,622	2,505	2,498	2,252
U. S. total	950,956	864,472	816,433	766,853	756,930	686,631

NET MOTOR-FUEL TAX RECEIPTS IN THE U. S.—BY STATES AND BY YEARS, 1920-1948²—Continued

(Thousands of Dollars)

State	1934	1933	1932	1931	1930	1929	1928
Alabama	9,299	8,033	7,001	7,197	6,901	7,105	6,498
Arizona	3,028	2,679	2,900	3,204	2,670	2,560	2,018
Arkansas	7,864	5,989	5,165	6,448	6,427	6,681	5,383
California	35,960	35,217	36,129	39,864	34,870	34,192	29,567
Colorado	6,475	5,325	5,469	6,254	6,145	5,217	3,921
Connecticut	4,973	4,812	4,685	4,228	4,466	4,047	3,469
Delaware	1,185	1,127	1,090	1,072	1,013	936	800
District of Columbia ..	2,063	2,082	2,035	1,726	1,600	1,428	1,263
Florida	16,499	14,249	14,509	14,986	13,622	12,203	11,235
Georgia	14,366	12,635	11,939	13,314	13,391	10,224	8,245
Idaho	2,871	2,282	2,278	2,598	2,669	1,946	1,884
Illinois	29,126	27,833	28,754	29,066	27,472	11,660	837
Indiana	17,550	16,283	16,740	18,035	17,159	15,610	11,178
Iowa	11,250	9,372	8,970	10,928	10,584	9,356	8,536
Kansas	8,516	7,732	7,420	8,071	9,120	8,171	5,395
Kentucky	9,218	8,315	8,203	8,810	8,415	7,743	6,742
Louisiana	8,923	8,155	8,301	9,398	7,546	6,979	3,381
Maine	4,486	4,080	4,207	4,383	4,109	3,709	3,192
Maryland	7,809	7,208	7,500	7,431	6,991	6,297	5,426
Massachusetts	17,002	16,377	16,519	15,306	10,563	9,759	....
Michigan	20,978	19,458	20,431	21,832	21,674	21,309	18,335
Minnesota	10,845	10,015	10,001	11,070	10,359	8,892	5,768
Mississippi	6,888	5,802	5,650	5,882	6,791	7,045	5,565
Missouri	9,575	9,081	8,950	9,207	8,639	7,681	6,948
Montana	3,664	2,751	2,690	3,018	2,942	2,802	1,653
Nebraska	8,570	7,706	7,809	9,096	9,060	7,799	3,941
Nevada	894	696	727	778	675	652	531
New Hampshire	2,746	2,350	2,639	2,657	2,499	2,267	1,884
New Jersey	17,034	16,397	16,617	17,125	11,343	9,961	8,447
New Mexico	2,557	2,266	2,192	2,665	2,719	2,274	1,837
New York	43,927	43,345	42,474	30,544	28,476	19,055	....
North Carolina	16,482	14,770	13,904	14,024	12,533	12,006	9,787
North Dakota	2,262	1,924	1,836	2,030	1,969	1,799	1,478
Ohio	37,618	33,940	34,269	39,328	37,081	34,082	24,886
Oklahoma	10,817	10,065	9,661	11,665	12,092	10,841	8,148
Oregon	7,252	6,344	5,591	6,187	6,199	4,543	4,008
Pennsylvania	33,409	30,739	30,290	32,453	33,316	35,747	21,998
Rhode Island	2,057	1,881	1,854	1,893	1,732	1,543	1,182
South Carolina	7,719	6,679	6,225	7,248	7,144	6,867	5,518
South Dakota	3,765	3,346	2,963	3,395	3,504	3,546	3,159
Tennessee	14,114	12,980	12,185	11,481	10,719	9,291	5,135
Texas	31,640	28,479	27,064	30,515	29,527	22,317	17,945
Utah	2,514	2,189	2,172	2,309	2,105	1,979	1,664
Vermont	1,942	1,766	1,875	1,967	1,880	1,703	1,119
Virginia	12,477	11,082	10,810	11,445	10,775	9,895	8,616
Washington	11,959	10,863	11,047	11,032	7,253	5,943	4,207
West Virginia	5,696	4,920	4,942	5,387	5,359	4,866	4,302
Wisconsin	15,399	15,169	14,948	15,780	8,315	7,435	6,857
Wyoming	1,764	1,405	1,418	1,587	1,447	1,296	954
U. S. total.....	565,027	518,196	513,047	536,397	493,865	431,312	304,872

NET MOTOR-FUEL TAX RECEIPTS IN THE U. S.—BY STATES AND BY YEARS, 1920-1948²—Continued

(Thousands of Dollars)								
State	1927	1926	1925	1924	1923	1922	1921	1920
Alabama	5,909	2,559	2,141	1,739	754	....	....	....
Arizona	1,389	978	856	731	423	175	88	....
Arkansas	4,339	3,585	2,950	2,283	1,150	218	104	....
California	22,467	16,502	14,957	13,414	3,018	....	....	....
Colorado	3,140	2,092	1,935	1,843	1,076	693	645	458
Connecticut	3,055	2,689	1,909	1,072	880	734	223	....
Delaware	662	390	350	318	105	....	....	....
District of Columbia	1,149	1,015	890	486	....	....	....	....
Florida	10,981	11,431	7,658	3,770	1,846	636	280	....
Georgia	7,066	5,653	4,419	3,564	1,544	754	303	....
Idaho	1,572	1,122	895	545	396	....	....	....
Illinois	6,200	....	....	....	....	....	....	....
Indiana	10,134	8,972	7,653	4,838	2,883	....	....	....
Iowa	7,248	4,842	3,505	....	....	....	....	....
Kansas	4,595	4,303	2,905	....	....	....	....	....
Kentucky	5,913	4,935	3,042	1,841	680	521	441	168
Louisiana	3,034	2,709	2,340	1,456	767	556	41	....
Maine	2,281	1,823	1,268	522	286	....	....	....
Maryland	4,169	2,294	2,004	1,642	738	396	....	....
Massachusetts	....	....	....	....	....	....	....	....
Michigan	14,261	10,082	8,236	....	....	....	....	....
Minnesota	5,175	4,805	3,864	....	....	....	....	....
Mississippi	4,891	4,088	2,494	1,585	493	299	....	....
Missouri	6,331	5,661	4,159	....	....	....	....	....
Montana	1,436	871	789	612	580	248	173	....
Nebraska	3,665	3,040	2,194	....	....	....	....	....
Nevada	472	406	319	154	116	....	....	....
New Hampshire	1,269	769	707	614	183	....	....	....
New Jersey	4,083	....	....	....	....	....	....	....
New Mexico	1,416	763	527	187	159	158	136	115
New York	....	....	....	....	....	....	....	....
North Carolina	8,787	7,786	6,082	4,605	3,087	808	506	....
North Dakota	1,276	988	649	504	401	159	147	179
Ohio	19,911	13,257	9,010	....	....	....	....	....
Oklahoma	7,198	6,212	5,144	3,165	599	....	....	....
Oregon	3,643	3,334	2,909	2,571	1,892	1,148	988	443
Pennsylvania	17,296	11,782	10,502	9,090	5,255	3,112	835	....
Rhode Island	916	512	318	....	....	....	....	....
South Carolina	5,080	4,497	3,865	2,224	1,601	768	....	....
South Dakota	2,394	1,925	1,848	1,144	625	369	....	....
Tennessee	4,476	3,853	3,408	1,812	1,228	....	....	....
Texas	15,651	5,227	4,642	3,777	1,683	....	....	....
Utah	1,461	1,258	1,064	705	492	....	....	....
Vermont	905	553	502	233	177	....	....	....
Virginia	7,140	5,856	3,702	3,198	1,537	....	....	....
Washington	3,821	3,482	3,074	2,721	1,226	954	472	....
West Virginia	3,794	2,923	2,187	1,277	539	....	....	....
Wisconsin	6,027	5,210	4,032	....	....	....	....	....
Wyoming	756	569	456	203	149	....	....	....
U. S. total	258,839	187,603	148,358	80,442	38,566	12,703	5,382	1,364

² Gross tax collections after deductions for refunds paid, and after deductions by distributors for expenses.

Authority: Bureau of Public Roads.

MOTOR-FUEL GALLONAGE TAXED IN THE U. S., BY STATES AND BY YEARS, 1920-1949

(Thousands of Gallons)

State	1949	1948	1947	1946	1945	1944	1943
Alabama	510,765	473,639	434,620	390,475	294,537	253,058	244,948
Arizona	196,511	190,888	171,000	155,468	107,125	86,526	85,062
Arkansas	347,613	319,741	294,017	268,154	203,835	168,399	161,612
California	2,970,726	2,846,781	2,739,906	2,436,430	1,810,237	1,467,906	1,434,561
Colorado	329,913	307,705	297,798	270,456	194,519	161,104	160,293
Connecticut	450,187	425,180	404,837	369,306	270,642	232,924	224,435
Delaware	81,929	73,687	68,444	63,950	47,841	41,276	38,542
District of Columbia ..	179,066	163,499	152,685	139,709	106,869	96,001	94,997
Florida	694,208	638,752	590,728	522,557	375,339	313,700	296,315
Georgia	689,940	628,412	581,975	533,008	396,094	343,178	309,042
Idaho	166,221	157,459	145,384	135,608	108,607	92,652	89,343
Illinois	1,816,569	1,764,290	1,583,477	1,476,200	1,105,625	979,820	1,022,459
Indiana	971,707	910,642	836,695	750,262	578,963	486,383	502,630
Iowa	660,208	627,465	574,384	547,072	429,630	372,723	352,649
Kansas	564,688	454,771	427,282	391,848	307,210	260,077	276,713
Kentucky	518,801	476,150	440,433	396,908	296,776	248,411	239,088
Louisiana	462,842	430,822	407,600	367,900	289,477	255,341	246,650
Maine	215,617	208,226	198,840	182,468	132,626	111,123	103,886
Maryland	441,713	401,914	375,422	342,988	265,301	238,252	226,127
Massachusetts	858,443	806,509	777,234	706,292	531,036	460,437	435,660
Michigan	1,519,266	1,449,071	1,340,582	1,215,342	909,361	797,231	798,815
Minnesota	711,519	662,863	603,105	584,039	410,641	358,881	343,136
Mississippi	393,342	355,923	329,365	292,770	224,269	184,482	179,505
Missouri	945,741	885,259	802,795	731,644	547,398	472,749	478,631
Montana	164,538	153,669	138,906	123,993	87,280	76,712	74,231
Nebraska	410,662	392,204	360,740	328,392	254,602	213,221	211,998
Nevada	64,095	62,350	58,948	53,546	36,280	28,544	30,434
New Hampshire	119,523	114,395	107,892	98,135	69,165	54,794	49,875
New Jersey	1,044,346	963,367	900,265	816,933	589,208	519,472	486,791
New Mexico	182,404	170,050	155,824	140,243	101,320	76,275	68,814
New York	2,255,399	2,081,316	1,943,409	1,792,865	1,305,920	1,147,990	1,085,171
North Carolina	801,727	736,652	682,100	616,496	453,577	369,758	354,833
North Dakota	133,337	142,879	140,888	95,328	72,263	64,960	63,736
Ohio	1,873,566	1,781,580	1,728,475	1,588,553	1,228,111	1,111,925	1,130,789
Oklahoma	637,280	603,637	569,247	513,183	412,973	271,877	269,690
Oregon	432,803	422,671	389,040	340,865	235,860	195,166	198,502
Pennsylvania	2,051,970	1,961,011	1,801,468	1,653,352	1,245,957	1,108,504	1,045,563
Rhode Island	151,088	144,933	141,016	129,489	101,450	87,428	85,090
South Carolina	412,882	375,897	344,020	308,180	221,808	190,088	177,243
South Dakota	172,738	176,702	158,476	145,893	105,880	95,074	91,668
Tennessee	579,174	543,016	481,160	451,658	342,513	298,456	282,751
Texas	2,044,756	1,867,166	1,709,242	1,546,894	1,186,162	1,022,905	977,633
Utah	187,715	178,065	164,580	147,525	112,217	96,225	100,213
Vermont	93,286	90,029	84,946	77,076	54,405	44,795	40,730
Virginia	677,510	617,311	564,023	518,300	382,142	332,578	307,607
Washington	580,072	557,687	523,071	477,018	351,226	304,173	303,820
West Virginia	337,878	323,462	277,464	253,616	189,134	154,488	145,273
Wisconsin	768,251	743,742	690,836	613,072	474,484	412,062	384,644
Wyoming	124,553	120,798	107,419	93,450	68,947	55,095	50,086
U. S. total.....	32,999,088	30,984,237	28,802,063	26,194,909	19,626,842	16,815,199	16,362,484

MOTOR-FUEL GALLONAGE TAXED IN THE U. S., BY STATES AND BY YEARS, 1920-1949—Continued

	(Thousands of Gallons)						
State	1942	1941	1940	1939	1938	1937	1936
Alabama	293,227	310,603	259,915	241,375	226,838	222,121	199,040
Arizona	103,464	110,011	95,707	89,939	84,534	86,396	79,509
Arkansas	193,760	214,762	183,801	174,610	159,944	158,087	148,276
California	1,719,162	1,978,547	1,758,326	1,673,780	1,571,928	1,561,258	1,459,993
Colorado	198,583	221,549	206,742	196,147	187,944	184,801	172,661
Connecticut	303,969	398,549	364,594	335,146	312,710	313,528	287,218
Delaware	48,307	63,088	58,397	54,410	52,490	50,878	47,067
District of Columbia ..	131,857	178,584	160,954	142,776	133,325	131,080	121,625
Florida	319,078	426,459	388,717	350,089	326,838	316,645	288,079
Georgia	347,764	427,058	386,847	352,862	328,921	325,269	298,673
Idaho	99,914	113,108	103,967	97,167	82,077	80,826	74,904
Illinois	1,282,115	1,535,477	1,410,967	1,336,233	1,256,016	1,191,579	1,123,332
Indiana	620,008	721,533	641,164	598,734	562,879	570,186	525,909
Iowa	440,184	519,149	485,995	469,102	445,906	429,590	411,544
Kansas	331,555	378,632	346,720	334,577	337,527	333,498	316,438
Kentucky	282,559	337,216	295,205	275,107	256,516	251,850	228,333
Louisiana	268,438	314,330	272,224	255,071	242,207	233,139	212,547
Maine	128,299	172,413	156,404	149,305	143,984	144,483	133,109
Maryland	275,696	332,898	289,645	267,927	248,608	248,128	226,536
Massachusetts	554,230	758,071	713,358	683,733	662,254	664,561	624,930
Michigan	1,023,118	1,199,498	1,082,383	994,587	929,293	974,787	872,976
Minnesota	464,466	520,007	497,556	469,578	447,444	433,143	404,426
Mississippi	210,495	239,980	205,367	196,931	181,101	178,728	162,144
Missouri	606,622	737,722	658,321	620,791	581,086	566,614	548,211
Montana	91,769	113,249	104,451	98,919	89,450	90,983	90,447
Nebraska	234,681	248,489	233,653	232,200	223,309	222,450	223,222
Nevada	40,340	43,001	37,523	34,394	29,958	30,203	27,420
New Hampshire	66,513	96,444	90,822	88,448	82,714	82,807	78,748
New Jersey	670,513	878,184	822,426	773,346	742,435	726,646	657,854
New Mexico	83,683	103,068	94,196	86,445	81,650	79,800	69,546
New York	1,426,299	1,898,481	1,836,977	1,768,288	1,684,672	1,702,621	1,619,122
North Carolina	400,775	526,341	453,712	422,694	397,039	383,746	343,677
North Dakota	77,247	90,045	85,780	82,694	85,775	88,647	77,021
Ohio	1,369,219	1,529,501	1,387,804	1,290,885	1,206,838	1,222,040	1,123,353
Oklahoma	321,082	395,042	378,275	365,735	350,190	344,027	332,243
Oregon	225,859	265,969	229,839	213,536	198,644	196,677	186,865
Pennsylvania	1,371,147	1,693,746	1,575,078	1,476,077	1,397,068	1,410,190	1,277,225
Rhode Island	111,301	142,230	131,558	126,695	116,874	118,529	114,400
South Carolina	208,854	266,098	229,398	206,953	188,783	182,711	161,133
South Dakota	113,535	119,551	113,659	101,972	99,668	107,735	109,510
Tennessee	322,418	355,029	304,042	270,222	264,163	250,797	252,665
Texas	1,147,066	1,341,668	1,195,694	1,140,442	1,075,851	1,041,463	958,957
Utah	107,546	113,706	102,425	94,349	87,850	85,742	78,183
Vermont	53,178	74,245	69,926	67,137	63,300	63,880	57,697
Virginia	370,960	471,797	392,930	358,641	334,327	322,667	299,102
Washington	353,389	393,068	347,872	320,941	309,697	305,082	288,221
West Virginia	189,206	233,940	214,983	212,074	188,915	192,079	174,630
Wisconsin	513,272	575,582	529,733	507,776	484,812	484,315	452,509
Wyoming	58,883	77,309	68,999	65,673	63,376	62,092	56,296
U. S. total.....	20,175,605	24,254,997	22,055,031	20,766,513	19,609,728	19,449,104	18,077,526

MOTOR-FUEL GALLONAGE TAXED IN THE U. S., BY STATES AND BY YEARS, 1920-1949—Continued

	(Thousands of Gallons)						
State	1935	1934	1933	1932	1931	1930	1929
Alabama	172,474	154,977	133,886	136,422	162,671	172,537	178,163
Arizona	67,323	60,565	53,581	58,004	64,702	66,750	63,996
Arkansas	131,784	125,576	114,792	86,083	110,579	128,545	133,621
California	1,340,137	1,198,655	1,173,905	1,204,295	1,328,788	1,162,338	1,139,736
Colorado	152,324	143,290	133,125	136,730	156,358	153,621	141,467
Connecticut	263,781	248,658	240,581	234,229	236,400	223,297	202,355
Delaware	42,948	39,514	37,578	36,338	35,735	33,779	31,198
District of Columbia ..	111,983	103,129	104,117	101,775	86,315	79,984	71,409
Florida	256,609	235,698	203,562	207,268	235,057	227,037	223,373
Georgia	264,617	239,435	210,575	198,980	221,892	223,185	219,609
Idaho	63,958	57,553	45,647	45,555	51,967	54,423	48,659
Illinois	1,015,019	970,874	927,767	958,468	968,856	915,747	388,659 *
Indiana	472,010	438,743	407,080	418,489	450,864	428,969	410,937
Iowa	386,489	374,998	312,411	299,005	364,253	352,802	311,860
Kansas	295,308	283,876	257,727	247,350	269,029	304,016	288,717
Kentucky	201,324	184,369	166,293	164,058	176,203	168,295	154,718
Louisiana	186,201	178,457	163,139	166,014	187,956	184,782	176,646
Maine	119,821	115,794	102,009	105,168	109,568	102,737	91,610
Maryland	204,850	195,634	180,194	187,506	185,775	174,780	157,429
Massachusetts	584,233	566,735	545,912	550,643	558,556	528,147	487,941
Michigan	767,987	699,830	648,615	681,044	727,745	722,463	710,300
Minnesota	374,701	361,512	333,829	333,352	369,005	345,304	338,632
Mississippi	140,808	125,429	96,695	96,732	115,640	135,824	140,902
Missouri	498,350	478,764	454,057	447,485	460,328	431,958	384,034
Montana	77,393	73,271	55,026	53,803	60,363	58,838	57,514
Nebraska	219,165	214,275	192,657	195,237	227,406	226,511	208,869
Nevada	24,046	22,355	17,391	18,178	19,448	16,875	16,308
New Hampshire	71,992	68,641	58,746	65,971	66,429	62,487	56,676
New Jersey	594,462	567,839	546,580	553,914	570,821	546,685	498,064
New Mexico	57,987	51,134	45,310	43,845	53,294	54,386	45,479
New York	1,495,863	1,464,242	1,444,838	1,485,128	1,527,203	1,438,583	962,601
North Carolina	312,012	279,797	246,160	231,727	249,609	250,669	260,211
North Dakota	78,877	75,390	64,132	61,190	67,675	65,643	71,592
Ohio	1,004,096	1,031,157	838,020	856,729	983,201	927,036	910,155
Oklahoma	299,593	270,432	251,617	241,527	252,483	302,310	314,388
Oregon	161,193	145,514	135,820	140,066	155,063	154,986	152,091
Pennsylvania	1,171,439	1,113,629	1,024,637	1,009,664	1,081,756	928,843	1,047,914
Rhode Island	106,133	102,834	94,049	92,701	94,632	86,613	77,827
South Carolina	143,014	128,646	111,322	103,749	120,766	119,072	118,038
South Dakota	112,634	98,997	78,382	74,084	84,867	87,597	88,644
Tennessee	216,386	201,627	185,427	174,077	208,707	214,384	194,497
Texas	835,942	791,005	711,984	676,594	762,864	738,177	781,422
Utah	69,396	62,858	54,725	54,298	60,363	60,138	56,547
Vermont	51,388	48,550	44,154	46,866	49,164	46,998	43,991
Virginia	272,169	249,540	221,641	216,192	228,904	215,501	197,899
Washington	252,601	239,187	217,264	220,930	244,530	241,775	233,334
West Virginia	153,105	142,393	123,992	123,545	134,680	133,966	121,655
Wisconsin	405,909	384,951	379,236	373,710	431,505	415,742	374,252
Wyoming	47,445	44,111	35,135	35,454	39,675	36,175	34,243
U. S. total.....	16,349,279	15,454,481	14,224,321	14,250,173	15,407,650	14,751,309	13,400,180

MOTOR-FUEL GALLONAGE TAXED IN THE U. S., BY STATES AND BY YEARS, 1920-1949—Continued

(Thousands of Gallons)

State	1928	1927	1926	1925	1924	1923	1922	1921	1920
Alabama	162,439	149,621	127,933	107,040	86,933	37,706	....	....	....
Arizona	50,455	40,217	32,609	28,532	24,362	20,124	17,461	8,793	....
Arkansas	106,147	94,346	89,633	73,759	57,087	41,813	21,821	10,429	....
California	985,559	928,749	825,106	747,839	670,677	150,918	....	....	....
Colorado	130,707	122,493	104,587	97,378	92,151	73,753	69,337	64,491	45,839
Connecticut	173,438	152,745	134,469	122,230	107,243	88,042	73,405	22,278	....
Delaware	26,678	23,487	19,521	17,104	15,896	10,523	....	....	....
Dist. of Columbia	63,157	57,440	50,760	44,480	24,286	....	....	....	....
Florida	224,704	251,410	285,787	210,324	125,662	89,090	63,566	27,995	....
Georgia	206,137	192,103	161,518	138,602	118,789	102,101	75,383	30,251	....
Idaho	47,097	40,877	37,404	30,809	27,267	19,824	....	....	....
Illinois	41,841 ^a	309,975 ^a	....	....	....	....	....	....	....
Indiana	372,585	337,769	299,058	272,981	241,915	144,139	....	....	....
Iowa	284,521	288,620	242,121	175,256	....	....	....	....	....
Kansas	269,742	229,733	215,169	145,260	....	....	....	....	....
Kentucky	134,836	118,268	103,478	101,385	79,150	68,024	52,104	44,105	16,835
Louisiana	169,047	151,703	135,428	116,939	99,861	76,675	55,604	4,137	....
Maine	79,011	72,007	60,091	56,514	52,167	28,602	....	....	....
Maryland	135,647	118,335	114,693	98,652	82,100	73,790	39,555	....	....
Massachusetts .....	....	....	....	....	....	....	....	....	....
Michigan	611,161	561,145	504,089	411,804	....	....	....	....	....
Minnesota	288,405	258,744	240,234	199,464	....	....	....	....	....
Mississippi	136,334	119,343	105,887	83,142	64,083	49,284	29,854	....	....
Missouri	347,411	316,549	283,057	207,955	....	....	....	....	....
Montana	56,113	47,880	43,536	33,735	34,385	32,157	24,791	17,317	....
Nebraska	197,058	183,246	151,996	109,690	....	....	....	....	....
Nevada	13,280	11,791	10,145	8,850	7,713	5,792	....	....	....
New Hampshire	47,080	44,898	38,429	35,354	30,711	18,275	....	....	....
New Jersey	422,346	204,143	....	....	....	....	....	....	....
New Mexico	36,738	30,117	25,428	20,491	18,710	15,897	15,816	10,730	5,743
New York .....	....	....	....	....	....	....	....	....	....
North Carolina	244,675	219,667	194,662	161,372	153,492	123,268	80,808	50,602	....
North Dakota	73,973	63,778	73,689	64,942	50,402	40,106	15,880	14,670	17,893
Ohio	829,523	752,028	662,863	450,498	....	....	....	....	....
Oklahoma	279,997	239,932	207,080	176,753	148,050	59,900	....	....	....
Oregon	144,285	122,823	118,494	96,970	89,657	76,962	59,707	53,617	47,738
Pennsylvania	733,269	691,562	588,379	525,077	454,477	341,370	311,167	83,532	....
Rhode Island	59,116	56,145	51,190	31,836	....	....	....	....	....
South Carolina	110,365	101,608	89,939	83,963	74,140	57,031	38,386	....	....
South Dakota	78,966	65,965	64,159	64,025	57,202	37,452	36,870	....	....
Tennessee	171,193	149,206	128,417	122,001	90,612	61,383	....	....	....
Texas	681,135	594,592	522,689	464,178	377,672	168,257	....	....	....
Utah	47,577	41,774	35,943	32,217	28,183	19,699	....	....	....
Vermont	37,311	33,167	27,655	25,863	23,297	17,688	....	....	....
Virginia	174,801	158,424	135,814	123,398	106,584	51,223	....	....	....
Washington	210,326	191,072	174,105	151,041	136,044	122,594	95,361	47,184	....
West Virginia	107,547	99,918	83,505	76,332	63,855	26,944	....	....	....
Wisconsin	342,838	301,356	260,490	201,584	....	....	....	....	....
Wyoming	31,811	25,884	22,744	20,746	20,262	14,948	....	....	....
U. S. total.....	10,178,545	9,366,652	7,883,984	6,568,764	3,935,081	2,365,354	1,176,924	490,132	134,048

^a Tax assessed for last five months of year.

^a Only January tax shown; law repealed in February.

Authority: Bureau of Public Roads.

RECEIPTS² IN THE U. S. FROM LEVIES ON MOTOR VEHICLES AND OPERATORS, BY STATES AND BY YEARS, 1915-1949

(Thousands of Dollars)

State	1949	1948	1947	1946	1945	1944	1943	1942	1941
Alabama	10,428	8,852	8,544	6,957	6,339	5,693	6,108	5,716	6,431
Arizona	3,109	2,782	2,366	1,905	1,487	1,385	1,378	1,320	1,352
Arkansas	9,312	6,311	5,559	4,857	4,200	3,947	4,027	4,135	3,935
California	88,777	87,576	54,572	39,966	33,016	30,658	28,824	29,397	31,927
Colorado	4,730	4,379	3,960	3,463	2,968	2,649	2,743	2,999	2,953
Connecticut	10,171	9,739	9,349	8,153	7,137	7,048	7,232	7,916	8,249
Delaware	1,763	1,641	1,493	1,410	1,262	1,225	1,197	1,259	1,456
District of Columbia	3,679	3,067	1,993	1,710	1,449	1,478	1,517	1,759	1,985
Florida	20,661	18,638	16,652	14,158	11,627	10,783	10,153	10,451	9,463
Georgia	4,998	4,829	4,513	3,841	3,315	2,797	2,913	2,900	2,951
Idaho	2,651	2,425	2,133	1,720	1,438	1,263	1,350	1,339	1,542
Illinois	37,781	34,292	30,131	26,488	24,244	22,861	23,656	26,834	26,567
Indiana	15,598	15,338	13,046	13,223	10,656	10,353	10,543	10,946	11,628
Iowa	21,043	17,926	15,182	13,497	11,954	12,051	13,064	13,364	14,231
Kansas	8,016	6,230	5,904	4,926	4,682	4,292	4,666	4,445	4,743
Kentucky	12,424	11,038	9,343	6,726	4,755	4,426	4,433	4,688	6,076
Louisiana	6,832	5,662	5,837	4,500	3,724	3,382	3,323	3,356	3,486
Maine	5,966	5,731	5,103	4,671	4,132	3,952	3,862	4,086	4,434
Maryland	15,602	14,374	10,442	7,999	5,907	5,832	5,802	6,300	7,830
Massachusetts	13,050	9,223	8,841	8,211	7,106	6,726	6,818	7,293	7,905
Michigan	37,932	35,141	31,220	26,672	23,363	23,370	23,548	24,798	27,163
Minnesota	18,032	17,006	11,823	10,290	7,844	8,616	8,450	9,814	19,530
Mississippi	6,233	5,706	4,745	4,016	3,976	3,425	2,866	3,012	3,433
Missouri	19,754	14,647	13,689	12,264	10,456	10,235	10,052	10,922	11,713
Montana	2,794	2,514	2,095	1,794	1,535	1,345	1,388	1,550	1,797
Nebraska	6,218	4,568	5,098	3,685	3,327	2,956	3,109	2,897	3,195
Nevada	637	540	564	450	420	378	440	394	405
New Hampshire	3,942	3,738	3,517	3,214	2,695	2,490	2,580	2,920	3,291
New Jersey	33,419	30,969	28,665	24,473	20,991	20,134	20,189	22,466	24,349
New Mexico	3,983	3,282	2,834	2,239	1,722	1,644	1,690	1,940	2,213
New York	74,745	65,382	59,006	57,447	46,268	44,053	47,391	49,073	53,978
North Carolina	17,968	16,714	14,208	11,655	9,785	9,398	9,093	9,329	9,777
North Dakota	4,914	3,516	2,595	1,705	1,686	1,730	1,924	1,944	2,025
Ohio	46,977	44,024	40,181	35,491	30,589	29,768	30,557	31,640	33,421
Oklahoma	15,187	12,714	10,900	8,954	7,534	7,240	7,904	8,839	7,086
Oregon	4,930	4,569	6,079	4,855	4,022	3,845	3,747	3,753	4,416
Pennsylvania	50,540	47,589	43,606	39,216	33,572	32,056	32,400	37,952	41,326
Rhode Island	4,298	4,028	3,748	3,518	3,173	2,954	2,974	3,256	3,425
South Carolina	4,950	4,116	3,708	3,094	2,615	2,322	2,224	2,195	2,749
South Dakota	3,100	2,447	1,767	1,327	1,193	1,371	1,568	1,753	1,879
Tennessee	11,881	10,002	9,964	7,835	6,965	6,014	6,395	6,007	7,077
Texas	56,960	51,650	42,977	34,312	26,983	25,874	24,602	26,167	26,671
Utah	2,411	2,211	1,965	1,689	1,445	1,433	1,413	1,317	1,335
Vermont	3,855	3,798	3,177	2,830	2,414	2,273	2,192	2,491	2,750
Virginia	11,560	11,004	9,758	9,523	8,327	7,831	7,674	8,256	8,363
Washington	17,841	14,359	7,901	5,399	5,793	4,286	5,284	4,138	5,461
West Virginia	12,320	12,098	10,263	8,175	6,064	5,742	5,582	5,806	7,180
Wisconsin	20,128	18,213	19,490	15,419	13,474	13,234	13,540	13,199	14,862
Wyoming	1,350	1,196	1,144	858	712	661	637	637	652
U. S. total.....	795,450	717,794	611,650	520,780	440,341	419,479	425,022	448,968	490,666

RECEIPTS ² IN THE U. S. FROM LEVIES ON MOTOR VEHICLES AND OPERATORS, BY STATES AND BY YEARS, 1915-1949—Continued

	(Thousands of Dollars)									
State	1940	1939	1938	1937	1936	1935	1934	1933	1932	
Alabama	4,548	4,947	4,314	4,439	4,101	3,528	3,188	2,724	3,038	
Arizona	1,225	1,134	1,076	1,143	1,028	848	759	648	709	
Arkansas	3,399	3,140	2,908	3,241	2,829	2,526	2,184	1,769	2,796	
California	27,914	24,646	23,930	24,003	21,087	10,563	10,140	9,866	9,391	
Colorado	2,797	2,879	2,544	2,603	2,589	2,207	2,172	2,036	1,947	
Connecticut	7,385	6,738	6,611	6,691	5,957	8,392	7,948	7,851	7,954	
Delaware	1,252	1,313	1,216	1,202	1,102	1,012	883	1,014	1,018	
District of Columbia	1,751	1,851	2,145	878	963	905	677	626	868	
Florida	8,002	7,096	6,432	6,196	5,546	4,955	4,409	4,995	5,268	
Georgia	2,768	2,620	1,874	2,368	1,302	1,248	1,193	1,036	3,826	
Idaho	1,401	1,399	2,380	2,498	2,175	1,880	1,560	1,402	1,617	
Illinois	24,760	24,352	21,591	21,430	19,410	19,076	18,278	16,229	16,967	
Indiana	10,596	10,001	9,635	9,827	9,044	8,285	7,260	6,468	6,090	
Iowa	12,987	12,624	11,797	11,918	10,793	9,922	10,034	10,695	11,671	
Kansas	4,012	4,363	3,823	4,537	3,815	3,496	3,278	3,057	5,439	
Kentucky	5,509	4,960	4,599	5,125	4,591	3,507	3,013	4,174	4,651	
Louisiana	5,392	5,309	4,892	4,710	4,112	3,563	4,380	4,053	4,120	
Maine	4,162	3,788	3,582	3,865	3,582	3,270	3,165	2,909	2,957	
Maryland	6,698	5,538	5,069	5,577	4,744	4,100	3,523	3,581	3,450	
Massachusetts	7,319	7,028	6,759	6,875	6,795	6,320	6,634	6,508	6,568	
Michigan	24,115	22,119	20,856	22,085	19,737	17,595	15,901	18,560	19,836	
Minnesota	10,305	9,884	9,377	8,867	8,189	7,175	6,867	6,367	10,122	
Mississippi	3,009	2,567	4,001	2,248	1,869	1,741	1,950	1,870	2,138	
Missouri	10,750	10,226	9,439	9,638	8,988	8,351	7,344	9,357	9,825	
Montana	1,721	1,634	1,546	1,532	1,730	1,271	1,071	1,070	1,294	
Nebraska	2,839	2,683	2,442	2,603	2,158	1,999	1,945	1,722	3,349	
Nevada	313	286	265	282	279	262	248	300	395	
New Hampshire	3,052	2,962	2,711	2,347	2,635	1,650	2,477	2,167	2,104	
New Jersey	22,562	21,312	20,204	19,271	17,850	16,629	15,614	15,378	15,413	
New Mexico	1,994	1,909	1,643	1,544	1,318	1,109	843	667	770	
New York	55,944	48,432	47,124	52,901	46,291	43,453	41,664	42,318	41,272	
North Carolina	8,174	8,163	7,211	8,855	7,589	6,614	6,944	5,356	5,444	
North Dakota	1,661	1,619	1,523	1,581	1,456	1,381	1,291	1,382	1,800	
Ohio	30,376	28,625	27,204	25,635	23,256	22,153	19,961	17,678	18,425	
Oklahoma	6,435	6,046	5,779	5,584	4,743	3,861	3,251	3,382	4,789	
Oregon	3,346	3,469	2,922	3,378	2,832	2,762	2,219	5,337	6,548	
Pennsylvania	38,891	36,563	34,513	38,332	35,331	32,155	30,842	29,185	29,816	
Rhode Island	3,218	2,929	2,778	2,790	2,596	2,416	2,315	2,198	2,184	
South Carolina	2,104	1,915	1,633	1,690	1,876	1,849	2,831	2,503	2,470	
South Dakota	1,794	2,165	1,983	1,650	1,540	1,371	1,314	1,459	2,444	
Tennessee	5,330	5,443	4,173	4,233	3,706	3,658	3,322	2,940	3,872	
Texas	22,422	21,194	20,263	19,684	17,725	15,788	14,921	12,747	13,155	
Utah	1,227	1,176	1,097	1,049	976	1,071	966	798	802	
Vermont	2,625	2,490	2,365	2,410	2,245	2,300	2,157	2,073	2,218	
Virginia	7,159	6,847	6,134	6,153	5,737	5,151	4,947	6,090	6,241	
Washington	3,728	4,560	3,262	4,402	2,980	3,515	2,727	2,483	2,180	
West Virginia	6,529	5,974	5,498	6,162	5,832	4,515	1,987	3,838	4,065	
Wisconsin	13,075	12,954	13,001	12,984	12,213	10,897	10,051	9,768	10,281	
Wyoming	603	622	601	597	541	483	437	679	676	
U. S. total.....	439,178	412,494	388,825	399,613	359,783	322,777	304,928	301,315	324,274	

RECEIPTS ² IN THE U. S. FROM LEVIES ON MOTOR VEHICLES AND OPERATORS, BY STATES AND BY YEARS, 1915-1949—Continued

(Thousands of Dollars)

State	1931	1930	1929	1928	1927	1926	1925	1924	1923
Alabama	3,379	3,800	3,736	3,474	3,127	2,889	2,511	1,955	1,541
Arizona	768	735	749	566	454	468	406	340	282
Arkansas	3,496	4,284	4,212	3,766	3,662	3,656	3,150	2,333	1,435
California	9,763	9,859	10,489	9,292	8,796	8,477	7,816	7,011	10,609
Colorado	1,911	1,901	1,835	1,790	1,600	1,507	1,430	1,258	1,126
Connecticut	8,260	8,290	7,993	7,374	6,806	6,221	5,644	5,070	4,329
Delaware	1,043	1,110	1,023	929	846	776	681	604	516
District of Columbia	623	636	666	474	531	556	291	379	358
Florida	4,852	4,813	4,959	4,936	5,692	6,764	3,646	2,419	1,963
Georgia	4,257	4,482	4,568	4,042	3,713	3,382	3,010	2,532	2,156
Idaho	1,909	1,998	1,787	1,627	1,502	1,386	1,193	1,307	914
Illinois	18,426	18,444	17,087	15,522	14,840	14,047	12,970	11,548	9,654
Indiana	6,332	6,347	6,253	5,752	5,431	5,093	4,650	4,103	3,694
Iowa	12,540	12,694	11,919	10,693	10,372	10,208	9,741	8,979	8,827
Kansas	6,060	6,084	5,697	5,394	6,519	4,803	4,610	4,223	3,436
Kentucky	4,842	5,547	5,381	4,725	4,365	4,132	3,780	3,233	2,679
Louisiana	4,549	4,609	4,524	4,384	4,199	3,993	3,400	2,790	2,191
Maine	3,184	3,167	3,030	2,764	2,558	2,355	2,182	1,934	1,660
Maryland	3,498	3,438	3,295	3,035	2,988	2,928	2,576	2,333	3,537
Massachusetts	7,000	7,121	7,118	13,920	13,136	13,078	9,844	8,122	6,990
Michigan	21,821	22,482	23,212	20,057	17,984	16,954	14,526	12,405	10,501
Minnesota	10,785	11,062	10,847	10,102	10,234	9,977	9,745	8,592	7,317
Mississippi	2,421	3,046	2,963	2,814	2,557	1,973	1,530	1,525	1,078
Missouri	10,140	10,150	9,691	8,766	8,253	7,903	7,267	4,526	4,016
Montana	1,499	1,583	1,549	1,299	1,136	1,029	915	776	730
Nebraska	3,742	3,805	4,290	3,951	3,741	3,636	3,936	3,597	3,353
Nevada	388	374	297	249	230	210	209	182	154
New Hampshire	2,257	2,290	2,248	2,071	1,915	1,711	1,736	1,522	1,571
New Jersey	15,891	15,332	14,803	13,569	12,964	11,871	10,515	9,278	7,654
New Mexico	1,248	1,280	757	628	528	514	458	421	295
New York	41,878	40,858	38,293	34,307	31,758	28,786	25,506	24,089	19,862
North Carolina	6,165	6,836	7,045	8,088	3,247	9,400	8,360	4,615	3,728
North Dakota	1,799	1,959	1,989	1,775	1,595	1,578	1,084	817	761
Ohio	12,819	13,287	12,860	11,840	10,745	9,819	13,147	11,685	9,662
Oklahoma	5,857	6,536	6,964	8,259	5,754	5,515	4,577	3,729	3,218
Oregon	6,941	9,618	7,644	6,969	6,527	6,018	5,370	4,766	4,070
Pennsylvania	31,607	33,112	29,265	27,114	26,017	24,045	21,927	22,107	15,844
Rhode Island	2,273	2,281	2,404	2,274	2,093	1,963	1,864	1,624	1,287
South Carolina	2,790	2,878	2,674	2,441	2,187	1,952	2,366	1,152	903
South Dakota	2,808	2,960	3,151	2,902	2,492	2,429	2,445	2,068	1,131
Tennessee	4,581	4,767	4,288	4,066	3,766	3,591	3,061	2,598	2,050
Texas	13,995	13,961	20,419	17,701	15,827	14,363	13,478	10,374	5,442
Utah	828	856	838	731	672	634	554	486	430
Vermont	2,356	2,392	2,340	2,091	1,879	1,697	1,497	1,323	939
Virginia	6,159	6,494	6,145	5,572	5,236	4,624	4,301	3,792	3,200
Washington	7,624	7,617	7,547	7,028	6,482	6,056	4,980	4,861	3,899
West Virginia	4,520	4,703	4,566	4,143	4,004	3,729	3,354	2,875	2,609
Wisconsin	11,725	13,084	11,781	10,775	9,773	9,074	7,896	6,786	4,959
Wyoming	728	692	647	573	526	500	483	449	414
U. S. total.....	344,338	355,705	347,844	322,630	301,061	288,282	260,620	225,492	188,971

RECEIPTS¹ IN THE U. S. FROM LEVIES ON MOTOR VEHICLES AND OPERATORS, BY STATES AND BY YEARS, 1915-1949—Continued

	(Thousands of Dollars)							
State	1922	1921	1920	1919	1918	1917	1916	1915
Alabama	1,263	1,147	835	541	470	218	204	181
Arizona	217	196	192	165	142	118	73	46
Arkansas	1,030	857	591	501	411	205	150	81
California	8,385	6,834	5,715	4,469	3,524	2,846	2,193	2,027
Colorado	992	906	820	490	380	297	198	121
Connecticut	3,568	2,130	1,853	1,516	1,285	1,081	769	537
Delaware	426	375	330	286	232	134	85	56
District of Columbia ..	354	210	266	274	221	56	48	29
Florida	1,538	735	555	401	346	170	127	60
Georgia	1,830	1,706	1,919	430	332	230	155	125
Idaho	813	841	882	730	577	413	214	121
Illinois	7,882	6,804	5,916	3,263	2,764	1,589	1,237	925
Indiana	3,000	2,422	2,030	1,559	1,293	1,096	817	587
Iowa	7,923	7,719	7,507	3,077	2,548	2,250	1,776	1,533
Kansas	3,100	1,400	1,419	1,150	979	831	586	388
Kentucky	2,140	1,772	816	566	402	287	185	117
Louisiana	1,756	453	390	306	240	167	112	76
Maine	1,418	1,005	819	686	570	492	364	268
Maryland	2,825	2,460	2,125	1,776	1,190	807	565	387
Massachusetts	5,686	4,717	3,860	2,668	2,185	1,970	1,603	1,236
Michigan	8,385	6,752	5,755	3,719	2,875	2,471	1,739	374
Minnesota	6,544	5,672	144	218	1,077	100	82	161
Mississippi	1,180	752	800	400	335	250	175	77
Missouri	3,512	2,505	2,112	1,725	1,395	618	439	323
Montana	620	595	416	408	351	291	53	33
Nebraska	3,032	2,825	2,800	304	537	451	311	183
Nevada	121	103	103	38	31	31	20	8
New Hampshire	1,246	876	655	600	509	425	344	258
New Jersey	6,251	3,974	3,504	2,932	2,432	1,923	1,407	1,063
New Mexico	244	199	200	111	106	81	48	30
New York	12,736	10,289	8,863	5,985	4,945	4,284	2,658	1,991
North Carolina	2,715	2,259	1,785	1,314	395	322	206	123
North Dakota	699	683	692	637	471	212	125	79
Ohio	7,889	6,894	6,400	2,593	2,125	1,766	1,286	985
Oklahoma	2,729	2,620	2,500	1,178	1,102	854	555	155
Oregon	3,341	2,335	2,085	602	461	197	146	109
Pennsylvania	12,575	9,470	8,091	5,091	4,048	3,268	2,325	1,665
Rhode Island	1,140	849	531	477	386	346	265	206
South Carolina	735	741	528	389	300	114	10	15
South Dakota	743	721	784	322	283	211	141	180
Tennessee	1,592	1,388	1,216	585	390	322	187	34
Texas	4,261	3,806	3,510	2,624	2,040	859	20	20
Utah	729	441	351	291	229	171	93	60
Vermont	782	668	555	460	399	364	298	218
Virginia	2,467	2,021	1,823	900	685	519	271	177
Washington	3,292	3,141	2,829	2,325	875	520	350	239
West Virginia	1,936	1,251	1,280	1,008	448	359	198	129
Wisconsin	4,089	3,672	3,127	2,503	2,077	861	616	432
Wyoming	317	288	267	102	80	57	36	20
U. S. total.....	152,048	122,479	102,546	64,697	51,477	37,501	25,865	18,246

¹ Consists of registration fees on motor vehicles and other vehicles, plus miscellaneous receipts including dealers' licenses, operators' and chauffeurs' permits, fines, and penalties.

Authority: Bureau of Public Roads.

MOTOR-CARRIER TAX RECEIPTS IN THE U. S., BY STATES AND BY YEARS, 1934-1949

(Thousands of Dollars)

State	1949	1948	1947	1946	1945	1944	1943	1942
Alabama	784	718	674	645	638	606	596	550
Arizona	809	804	696	581	509	492	447	312
Arkansas	5	6	4	4	4	3	3	4
California	8,584	9,187	9,223	8,353	7,457	6,784	5,933	5,005
Colorado	1,823	1,657	1,413	1,187	1,083	1,129	1,101	1,016
Connecticut	767	725	739	743	759	992	406	414
Delaware .....	.....	.....	.....	.....	.....	.....	.....	.....
District of Columbia...	477	431	466	450	382	337	330	313
Florida	728	723	635	621	659	682	657	491
Georgia	116	115	134	127	122	113	112	107
Idaho	149	143	118	114	116	120	106	76
Illinois .....	.....	.....	.....	.....	.....	.....	.....	.....
Indiana	246	228	226	182	164	148	161	204
Iowa	574	557	550	416	372	411	432	396
Kansas	2,482	2,273	1,952	1,569	1,306	1,304	1,351	1,515
Kentucky	992	1,120	1,205	796	639	604	566	485
Louisiana	50	43	54	320	309	334	320	221
Maine	106	92	26	20	17	16	18	20
Maryland .....	.....	.....	.....	.....	.....	.....	.....	.....
Massachusetts	169	175	167	183	140	116	119	124
Michigan	826	791	819	674	488	480	533	487
Minnesota	64	57	52	47	40	41	44	46
Mississippi	90	85	129	167	275	300	290	291
Missouri	842	736	665	600	599	602	954	845
Montana	150	162	107	93	74	72	75	68
Nebraska	63	53	49	47	40	33	44	39
Nevada	691	645	553	472	407	417	393	401
New Hampshire	7	7	6	6	5	5	5	5
New Jersey	105	109	108	100	76	80	100	110
New Mexico	697	644	623	506	460	397	315	256
New York	16	17	19	23	20	17	18	22
North Carolina	1,449	1,408	1,513	1,505	1,594	1,513	1,327	943
North Dakota	67	69	64	54	51	45	44	38
Ohio	869	1,018	1,004	722	680	696	706	536
Oklahoma	451	477	448	438	437	378	354	272
Oregon	5,127	5,033	3,491	2,832	2,241	2,157	2,052	1,831
Pennsylvania	14	7	10	10	13	7	29	8
Rhode Island	38	40	59	44	37	12	12	13
South Carolina	563	537	489	437	388	392	401	340
South Dakota	1,278	1,176	1,153	815	527	514	553	503
Tennessee	182	214	94	280	159	147	152	129
Texas	280	284	285	284	265	230	230	213
Utah .....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont .....	.....	.....	.....	.....	.....	.....	.....	.....
Virginia	909	471	575	735	867	827	800	686
Washington	422	460	405	389	281	281	268	243
West Virginia	357	392	337	279	234	212	199	166
Wisconsin	2,986	2,728	2,465	2,097	1,842	1,670	1,747	1,785
Wyoming	785	772	643	571	472	425	399	357
U. S. total.....	38,189	37,389	34,447	30,538	27,248	26,141	24,702	21,896

MOTOR-CARRIER TAX RECEIPTS IN THE U. S., BY STATES AND BY YEARS, 1934-1949—Continued

(Thousands of Dollars)								
State	1941	1940	1939	1938	1937	1936	1935	1934
Alabama	422	328	252	201	216	187	92	64
Arizona	225	185	187	166	162	150	122	105
Arkansas	4	3	3	1	2	3	2	19
California	3,888	3,155	3,032	2,735	3,048	2,742	2,015	1,956
Colorado	859	784	728	594	621	568	295	186
Connecticut	337	320	274	253	211	290	168	157
Delaware .....	....	....	....	....	....	....	....	....
District of Columbia...	268	248	213	216	219	213	167	152
Florida	427	361	337	275	262	263	221	178
Georgia	110	96	86	74	155	400	299	209
Idaho	73	64	60	80	106	122	78	41
Illinois .....	....	....	....	....	....	....	....	....
Indiana	1,412	1,472	1,222	767	682	641	514	25
Iowa	415	412	558	537	537	500	431	383
Kansas	1,629	1,417	1,313	1,167	1,163	1,079	868	629
Kentucky	441	357	293	330	394	309	270	210
Louisiana	149	113	93	11	3	4	1	1
Maine	22	19	18	19	22	23	20	16
Maryland .....	....	....	....	....	....	....	....	....
Massachusetts	138	152	140	99	55	84	68	51
Michigan	624	501	465	427	403	481	387	297
Minnesota	47	43	41	40	23	19	19	17
Mississippi	239	165	116	129	158	100	100	73
Missouri	942	866	794	492	521	551	448	326
Montana	66	60	61	42	46	37	22	11
Nebraska	32	37	28	47	27	....	....	....
Nevada	317	264	223	193	198	199	192	139
New Hampshire	4	3	3	3	4	3	3	5
New Jersey	104	100	100	74	91	79	84	73
New Mexico	272	224	193	177	153	149	87	67
New York	26	36	....	....	....	....	....	....
North Carolina	584	397	365	253	251	175	133	204
North Dakota	46	42	36	17	23	49	52	15
Ohio	685	598	522	469	492	728	728	360
Oklahoma	29	204	1,502	1,464	1,271	1,004	797	610
Oregon	1,664	1,357	1,219	1,069	1,094	1,012	765	620
Pennsylvania	7	5	8	13	8	5	8	2
Rhode Island	13	9	11	10	9	11	15	....
South Carolina	296	268	256	230	189	126	88	81
South Dakota	469	433	453	477	484	479	312	264
Tennessee	121	51	184	398	369	323	266	215
Texas	177	123	115	108	109	82	65	52
Utah .....	....	....	....	9	113	205	267	218
Vermont .....	....	....	....	....	....	....	....	....
Virginia	491	363	330	253	200	155	138	125
Washington	192	174	195	189	245	197	186	186
West Virginia	140	120	103	79	91	72	60	60
Wisconsin	1,841	1,692	1,675	2,014	1,559	1,144	1,436	1,034
Wyoming	329	292	248	220	227	174	138	58
U. S. total.....	20,576	17,913	18,055	16,421	16,216	15,137	12,427	9,494

Authority: Bureau of Public Roads.

ESTIMATED FEDERAL AUTOMOTIVE TAXES, BY STATES AND BY YEARS, 1937-1949 ²

FEDERAL GASOLINE TAX ³

(Thousands of Dollars)

State	1949	1948	1947	1946	1945	1944	1943
Alabama	6,819	6,204	5,656	5,108	5,140	3,837	3,099
Arizona	2,858	2,762	2,470	2,174	2,027	1,425	1,182
Arkansas	4,692	4,234	3,864	3,550	3,620	2,631	2,074
California	43,964	40,612	38,918	34,450	34,318	24,774	20,111
Colorado	4,895	4,407	4,262	3,804	3,692	2,686	2,252
Connecticut	6,670	6,087	5,736	5,253	5,140	3,974	3,144
Delaware	1,219	1,070	996	906	905	713	557
District of Columbia	2,686	2,375	2,191	1,992	2,063	1,644	1,360
Florida	9,285	8,349	7,688	6,847	6,588	4,823	3,813
Georgia	9,285	8,267	7,608	6,991	6,550	5,262	3,946
Idaho	2,379	2,173	2,032	1,884	1,810	1,315	1,093
Illinois	27,045	25,304	22,545	20,936	21,069	16,607	14,269
Indiana	14,428	13,111	11,910	10,831	11,222	8,366	6,243
Iowa	9,745	8,972	8,126	7,752	8,145	6,194	5,106
Kansas	6,980	6,472	6,015	5,542	5,828	4,357	3,857
Kentucky	7,302	6,654	6,095	5,542	5,068	3,645	2,965
Louisiana	6,642	5,827	5,457	4,927	4,996	3,837	3,055
Maine	3,004	2,793	2,669	2,463	2,389	1,754	1,360
Maryland	6,529	5,740	5,298	4,854	5,068	4,001	3,166
Massachusetts	12,813	11,605	10,915	10,071	10,136	7,728	6,109
Michigan	22,527	20,744	18,921	17,134	17,195	13,264	11,170
Minnesota	10,301	9,291	8,485	8,114	7,747	6,002	4,794
Mississippi	5,435	4,802	4,422	4,057	4,054	2,905	2,363
Missouri	14,192	12,743	11,632	10,578	10,570	8,084	6,867
Montana	2,375	2,136	1,952	1,775	1,629	1,261	1,026
Nebraska	5,281	4,871	3,824	3,478	3,620	2,494	2,497
Nevada	935	884	837	761	688	466	424
New Hampshire	1,758	1,618	1,514	1,377	1,303	932	691
New Jersey	16,207	14,532	13,464	12,244	12,091	9,510	7,469
New Mexico	2,697	2,431	2,191	1,992	1,919	1,261	959
New York	33,863	30,236	27,684	25,719	25,195	19,567	15,340
North Carolina	11,118	10,090	9,122	8,296	8,145	5,865	4,704
North Dakota	1,998	1,828	2,151	1,340	1,376	1,089	892
Ohio	27,722	25,408	22,944	20,938	21,250	16,525	14,381
Oklahoma	7,360	6,643	6,174	5,542	5,828	4,467	3,746
Oregon	6,372	5,966	5,417	4,782	4,453	3,234	2,742
Pennsylvania	29,097	26,294	24,020	22,205	22,191	17,101	13,489
Rhode Island	2,213	2,046	1,992	1,811	1,882	1,425	1,159
South Carolina	5,545	4,919	4,541	4,130	3,946	3,015	2,341
South Dakota	2,529	2,361	2,350	2,029	1,955	1,507	1,338
Tennessee	8,412	7,633	6,612	5,941	6,154	4,686	3,924
Texas	30,374	26,597	23,821	21,590	22,155	16,909	13,489
Utah	2,558	2,325	2,111	1,920	1,919	1,452	1,315
Vermont	1,330	1,233	1,155	1,051	977	712	535
Virginia	9,966	8,866	8,046	7,354	7,240	5,536	4,348
Washington	8,394	7,867	7,329	6,738	6,625	5,070	4,236
West Virginia	4,958	4,602	3,904	3,550	3,548	2,548	2,007
Wisconsin	11,334	10,611	9,799	8,803	9,122	6,878	5,373
Wyoming	1,658	1,398	1,275	1,123	1,050	712	580
U. S. total	477,749	434,173	398,340	362,251	362,001	274,050	222,960

(See footnotes at end of table.)

ESTIMATED FEDERAL AUTOMOTIVE TAXES, BY STATES AND BY YEARS, 1937-1949 ²—Continued

FEDERAL GASOLINE TAX ³

(Thousands of Dollars)

State	1942	1941	1940	1939	1938	1937
Alabama	4,032	4,057	2,757	2,083	1,931	1,915
Arizona	1,519	1,492	1,178	905	858	885
Arkansas	2,689	2,809	1,980	1,537	1,412	1,391
California	24,893	27,157	20,054	15,532	14,625	14,961
Colorado	2,951	3,066	2,607	2,009	1,895	1,879
Connecticut	4,499	5,493	3,910	2,979	2,718	2,783
Delaware	730	880	652	493	465	470
District of Columbia	1,987	2,495	1,755	1,268	1,162	1,175
Florida	4,383	5,563	4,236	3,092	2,825	2,801
Georgia	4,733	5,545	4,111	3,028	2,825	2,819
Idaho	1,286	1,395	1,103	847	787	813
Illinois	19,079	21,237	15,692	11,998	11,120	11,004
Indiana	9,350	10,100	7,495	5,500	5,274	5,385
Iowa	6,574	7,242	5,966	4,651	4,416	4,228
Kansas	4,879	5,222	5,214	4,030	3,915	3,993
Kentucky	3,798	4,350	3,033	2,323	2,145	2,150
Louisiana	3,565	3,935	2,858	2,208	2,074	2,024
Maine	1,782	2,239	1,629	1,269	1,216	1,247
Maryland	4,090	4,611	3,259	2,465	2,271	2,295
Massachusetts	8,210	10,403	7,771	6,094	5,757	5,927
Michigan	15,222	16,868	13,035	9,745	8,796	9,450
Minnesota	6,778	7,310	6,066	4,654	4,416	4,337
Mississippi	2,951	3,164	2,281	1,770	1,627	1,608
Missouri	9,145	10,364	7,194	5,533	5,077	5,023
Montana	1,344	1,541	1,429	1,069	983	994
Nebraska	3,039	3,087	2,457	1,990	1,877	1,915
Nevada	584	578	451	371	340	325
New Hampshire	965	1,315	978	783	715	723
New Jersey	10,606	12,724	9,626	7,375	6,919	6,975
New Mexico	1,227	1,408	1,153	862	751	759
New York	21,504	26,558	20,480	16,062	15,054	15,449
North Carolina	5,610	6,932	4,813	3,631	3,343	3,307
North Dakota	1,257	1,226	1,579	1,113	1,055	1,030
Ohio	18,728	20,235	15,291	11,588	10,673	11,131
Oklahoma	4,675	5,353	4,612	3,606	3,415	3,325
Oregon	3,360	3,604	2,732	2,068	1,913	1,933
Pennsylvania	18,524	22,206	16,444	12,528	11,710	12,070
Rhode Island	1,665	1,939	1,404	1,098	1,037	1,048
South Carolina	2,834	3,422	2,432	1,794	1,627	1,608
South Dakota	1,549	1,655	1,504	1,127	1,073	976
Tennessee	4,733	4,740	3,409	2,440	2,342	2,277
Texas	16,946	18,437	14,765	11,332	10,602	10,390
Utah	1,490	1,492	1,103	843	769	777
Vermont	760	989	727	575	536	542
Virginia	5,522	6,515	4,337	3,226	2,968	2,909
Washington	5,171	5,327	3,936	2,953	2,825	2,837
West Virginia	2,718	3,174	2,306	1,732	1,591	1,680
Wisconsin	7,538	7,928	6,141	4,789	4,523	4,608
Wyoming	701	928	727	575	536	542
U. S. total.....	292,175	330,310	250,672	191,543	178,784	180,693

(See footnotes at end of table.)

ESTIMATED FEDERAL AUTOMOTIVE TAXES, BY STATES AND BY YEARS, 1937-1949²—Continued

OTHER AUTOMOTIVE EXCISES, EXCLUDING GASOLINE⁴

(Thousands of Dollars)

State	1949	1948	1947	1946	1945	1944	1943
Alabama	11,872	10,548	8,596	6,347	4,587	3,318	2,737
Arizona	4,188	3,597	2,961	2,148	1,735	1,322	1,034
Arkansas	8,575	7,232	5,908	4,163	3,249	2,420	2,063
California	69,649	60,737	55,721	37,542	34,204	24,738	20,413
Colorado	8,706	7,550	6,551	4,030	3,585	2,808	2,401
Connecticut	11,294	10,364	9,706	6,076	5,158	3,981	3,383
Delaware	2,323	1,952	1,635	1,138	791	622	475
District of Columbia	4,282	3,939	3,528	2,583	1,786	1,322	1,011
Florida	15,802	13,146	11,583	7,634	6,276	4,440	3,386
Georgia	15,991	14,288	11,724	7,778	6,534	4,790	3,723
Idaho	4,667	4,010	3,154	2,022	1,622	1,250	1,100
Illinois	53,969	44,224	38,934	25,796	20,354	15,465	13,173
Indiana	25,676	22,112	19,899	13,121	10,473	8,080	6,793
Iowa	18,905	16,141	13,207	9,197	7,374	5,927	5,185
Kansas	14,748	12,766	10,641	6,722	6,145	5,075	4,413
Kentucky	12,713	11,308	9,328	6,165	4,834	3,581	2,952
Louisiana	12,302	9,902	8,035	5,662	5,075	3,734	2,953
Maine	4,535	4,414	4,338	2,688	2,333	1,667	1,291
Maryland	11,692	10,534	9,523	6,069	5,064	3,872	3,131
Massachusetts	21,542	19,422	18,250	12,672	10,082	7,323	5,775
Michigan	48,254	41,202	37,939	23,511	16,380	12,606	10,855
Minnesota	19,640	17,045	13,859	9,196	7,655	6,138	5,420
Mississippi	8,917	7,877	6,544	4,797	3,473	2,475	1,961
Missouri	23,908	20,664	18,205	12,642	9,513	7,277	6,360
Montana	4,931	4,553	3,600	2,002	1,631	1,349	1,108
Nebraska	10,278	9,046	7,264	4,355	3,853	3,074	2,827
Nevada	1,304	1,125	1,014	745	621	451	436
New Hampshire	2,844	2,609	2,478	1,443	1,306	966	780
New Jersey	27,610	23,402	21,051	14,412	11,601	8,741	7,096
New Mexico	3,854	3,136	2,562	2,050	1,631	1,137	947
New York	66,328	60,434	54,043	33,633	24,481	18,739	15,292
North Carolina	18,021	15,349	13,252	9,180	7,052	5,243	4,369
North Dakota	4,878	3,980	3,336	1,681	1,700	1,501	1,318
Ohio	49,721	43,298	40,346	26,160	20,542	15,866	13,976
Oklahoma	13,737	11,975	9,995	6,797	6,109	4,552	3,887
Oregon	10,710	9,805	8,327	5,027	4,233	3,317	2,835
Pennsylvania	54,587	48,962	43,093	28,092	21,207	16,237	13,406
Rhode Island	4,208	3,961	3,557	2,230	1,943	1,457	1,227
South Carolina	9,079	7,959	7,148	4,643	3,615	2,831	2,326
South Dakota	4,762	4,157	3,269	2,132	1,864	1,570	1,379
Tennessee	15,381	13,727	11,992	7,649	5,481	4,125	3,399
Texas	48,130	41,068	33,763	25,151	22,555	16,025	12,808
Utah	4,133	3,584	2,994	2,045	1,798	1,367	1,153
Vermont	2,433	2,188	1,940	1,185	922	691	592
Virginia	17,661	15,201	13,435	8,472	6,480	4,849	3,808
Washington	13,994	12,932	11,161	7,288	6,394	5,028	4,250
West Virginia	7,489	6,880	5,653	3,998	3,119	2,335	1,911
Wisconsin	21,164	18,107	15,780	10,640	8,650	6,745	5,695
Wyoming	2,432	2,271	1,760	1,204	980	728	632
U. S. total	853,819	744,673	652,582	431,913	348,050	263,155	219,445

(See footnotes at end of table.)

ESTIMATED FEDERAL AUTOMOTIVE TAXES, BY STATES AND BY YEARS, 1937-1949²—Continued

OTHER AUTOMOTIVE EXCISES, EXCLUDING GASOLINE⁴

(Thousands of Dollars)

State	1942	1941	1940	1939	1938	1937
Alabama	3,931	3,036	1,833	1,554	945	1,562
Arizona	1,389	828	628	532	375	619
Arkansas	2,873	1,987	1,251	1,092	672	1,062
California	28,228	16,998	11,948	9,812	6,734	10,557
Colorado	3,442	1,887	1,463	1,302	877	1,424
Connecticut	5,276	3,836	2,520	1,955	1,232	2,079
Delaware	681	699	435	357	230	378
District of Columbia	1,821	1,754	1,183	1,015	626	989
Florida	4,768	3,721	2,679	2,116	1,293	2,004
Georgia	5,309	3,967	2,640	2,109	1,283	2,150
Idaho	1,534	968	687	553	365	629
Illinois	19,776	16,058	10,477	8,622	5,446	9,069
Indiana	10,474	7,455	4,934	3,936	2,492	4,533
Iowa	7,351	4,383	3,397	3,047	2,103	2,990
Kansas	5,944	3,340	2,636	2,210	1,636	2,699
Kentucky	4,404	2,860	1,946	1,605	1,065	1,737
Louisiana	4,198	2,823	1,849	1,572	1,055	1,536
Maine	1,898	1,385	1,007	823	562	920
Maryland	4,961	3,456	2,208	1,773	1,128	1,813
Massachusetts	8,645	7,443	4,969	4,297	2,734	4,538
Michigan	13,127	14,546	9,051	6,983	3,973	8,228
Minnesota	8,167	4,815	3,584	3,043	2,183	3,317
Mississippi	2,780	2,006	1,436	1,208	754	1,192
Missouri	9,259	6,685	4,588	3,810	2,454	3,797
Montana	1,602	1,190	856	714	493	776
Nebraska	3,974	2,136	1,481	1,322	941	1,415
Nevada	691	307	241	207	147	222
New Hampshire	1,158	865	632	537	335	552
New Jersey	10,777	8,125	5,848	4,835	3,206	5,071
New Mexico	1,273	784	631	532	355	565
New York	24,095	19,393	13,632	11,678	7,599	12,330
North Carolina	6,135	4,485	2,937	2,459	1,601	2,484
North Dakota	1,806	957	758	622	466	649
Ohio	21,210	15,063	10,061	7,871	4,842	9,079
Oklahoma	5,371	3,244	2,547	2,256	1,624	2,410
Oregon	4,145	2,660	1,670	1,345	889	1,496
Pennsylvania	20,848	17,162	11,497	8,962	5,756	10,392
Rhode Island	1,823	1,346	889	763	474	803
South Carolina	3,251	2,319	1,522	1,251	764	1,199
South Dakota	1,872	880	770	656	452	636
Tennessee	4,788	3,666	2,304	1,786	1,138	1,790
Texas	17,471	11,727	8,433	7,213	4,961	7,234
Utah	1,699	889	659	554	355	601
Vermont	894	692	453	378	241	398
Virginia	5,675	4,677	2,764	2,185	1,430	2,206
Washington	6,157	3,676	2,335	1,868	1,241	2,113
West Virginia	2,913	2,212	1,499	1,202	771	1,424
Wisconsin	8,446	5,600	3,837	3,146	2,146	3,674
Wyoming	891	600	432	384	255	405
U. S. total.....	324,201	231,571	158,037	130,052	84,699	139,746

(See footnotes at end of table.)

ESTIMATED FEDERAL AUTOMOTIVE TAXES, BY STATES AND BY YEARS, 1937-1949²—Continued

TOTAL FEDERAL GASOLINE TAX³ PLUS OTHER AUTOMOTIVE EXCISES⁴

(Thousands of Dollars)

State	1949	1948	1947	1946	1945	1944	1943
Alabama	18,691	16,752	14,252	11,455	9,727	7,155	5,836
Arizona	7,046	6,359	5,431	4,322	3,762	2,747	2,216
Arkansas	13,267	11,466	9,772	7,713	6,869	5,051	4,137
California	113,613	101,549	94,639	71,992	68,522	49,512	40,524
Colorado	13,601	11,957	10,813	7,834	7,277	5,494	4,653
Connecticut	17,964	16,451	15,442	11,329	10,298	7,955	6,527
Delaware	3,542	3,022	2,631	2,044	1,696	1,335	1,032
District of Columbia	6,968	6,314	5,719	4,575	3,849	2,966	2,371
Florida	25,087	21,495	19,271	14,481	12,684	9,263	7,199
Georgia	25,276	22,555	19,332	14,779	13,484	10,052	7,669
Idaho	7,046	6,183	5,186	3,906	3,432	2,565	2,193
Illinois	81,014	69,528	61,479	46,734	41,423	32,072	27,442
Indiana	40,104	35,223	31,809	23,952	21,695	16,466	13,036
Iowa	28,650	25,113	21,333	16,949	15,519	12,121	10,291
Kansas	21,728	19,238	16,656	12,264	11,973	9,432	8,270
Kentucky	20,015	17,942	15,423	11,707	9,902	7,226	5,917
Louisiana	18,944	15,729	13,492	10,589	10,071	7,571	6,008
Maine	7,539	7,207	7,007	5,151	4,722	3,421	2,651
Maryland	18,221	16,274	14,821	10,923	10,132	7,873	6,297
Massachusetts	34,355	31,027	29,165	22,743	20,218	15,051	11,884
Michigan	70,781	61,946	56,860	40,645	33,575	25,870	22,025
Minnesota	29,941	26,336	22,344	17,310	15,402	12,140	10,214
Mississippi	14,352	12,679	10,965	8,854	7,527	5,380	4,324
Missouri	38,100	33,407	29,837	23,220	20,083	15,361	13,227
Montana	7,306	6,689	5,552	3,777	3,260	2,610	2,134
Nebraska	15,559	13,917	11,088	7,833	7,473	5,568	5,324
Nevada	2,239	2,009	1,851	1,506	1,309	917	860
New Hampshire	4,602	4,227	3,992	2,820	2,609	1,898	1,471
New Jersey	43,817	37,934	34,515	26,556	23,692	18,251	14,565
New Mexico	6,551	5,567	4,753	3,972	3,550	2,398	1,906
New York	100,191	90,670	81,927	59,352	49,676	38,306	30,632
North Carolina	29,139	25,429	22,374	17,476	15,197	11,108	9,073
North Dakota	6,876	5,808	5,487	3,021	3,076	2,570	2,210
Ohio	77,443	68,706	63,290	47,098	41,792	32,391	28,357
Oklahoma	21,097	18,618	16,169	12,399	11,937	9,019	7,633
Oregon	17,082	15,771	13,744	9,809	8,686	6,551	5,577
Pennsylvania	83,684	75,256	67,113	50,297	43,398	33,338	26,895
Rhode Island	6,421	6,007	5,549	4,041	3,825	2,882	2,386
South Carolina	14,624	12,878	11,689	8,773	7,561	5,846	4,667
South Dakota	7,291	6,518	5,619	4,161	3,619	3,077	2,717
Tennessee	23,793	21,360	18,604	13,590	11,635	8,811	7,323
Texas	78,504	67,665	57,584	46,741	44,710	32,934	26,297
Utah	6,691	5,909	5,105	3,965	3,717	2,819	2,468
Vermont	3,763	3,421	3,095	2,236	1,899	1,403	1,127
Virginia	27,627	24,067	21,481	15,826	13,720	10,385	8,156
Washington	22,388	20,799	18,490	14,026	13,019	10,098	8,486
West Virginia	12,447	11,482	9,557	7,548	6,667	4,883	3,918
Wisconsin	32,498	28,718	25,579	19,443	17,772	13,623	11,088
Wyoming	4,090	3,669	3,035	2,327	2,030	1,440	1,212
U. S. total.....	1,331,568	1,178,846	1,050,922	794,164	710,051	537,205	442,405

(See footnotes at end of table.)

ESTIMATED FEDERAL AUTOMOTIVE TAXES, BY STATES AND BY YEARS, 1937-1949 ²—Continued

TOTAL FEDERAL GASOLINE TAX ³ PLUS OTHER AUTOMOTIVE EXCISES ⁴

(Thousands of Dollars)						
State	1942	1941	1940	1939	1938	1937
Alabama	7,963	7,093	4,590	3,637	2,876	3,477
Arizona	2,908	2,320	1,806	1,437	1,233	1,504
Arkansas	5,562	4,796	3,231	2,629	2,084	2,453
California	53,121	44,155	32,002	25,344	21,359	25,518
Colorado	6,393	4,933	4,070	3,311	2,772	3,303
Connecticut	9,775	9,329	6,430	4,934	3,950	4,862
Delaware	1,411	1,579	1,087	850	695	848
District of Columbia	3,808	4,249	2,938	2,283	1,788	2,164
Florida	9,151	9,284	6,915	5,208	4,118	4,805
Georgia	10,042	9,512	6,751	5,137	4,108	4,969
Idaho	2,820	2,363	1,790	1,400	1,152	1,442
Illinois	38,855	37,295	26,169	20,620	16,566	20,073
Indiana	19,824	17,555	12,429	9,436	7,766	9,918
Iowa	13,925	11,625	9,363	7,698	6,519	7,218
Kansas	10,823	8,562	7,850	6,240	5,551	6,692
Kentucky	8,202	7,210	4,979	3,928	3,210	3,887
Louisiana	7,763	6,758	4,707	3,780	3,129	3,560
Maine	3,680	3,624	2,635	2,092	1,778	2,167
Maryland	9,051	8,067	5,467	4,235	3,399	4,108
Massachusetts	16,855	17,846	12,740	10,391	8,491	10,465
Michigan	33,349	31,414	22,086	16,728	12,769	17,678
Minnesota	14,945	12,125	9,650	7,697	6,599	7,654
Mississippi	5,731	5,170	3,717	2,978	2,381	2,800
Missouri	18,404	17,049	11,782	9,343	7,531	8,820
Montana	2,946	2,731	2,285	1,783	1,476	1,770
Nebraska	7,013	5,223	3,938	3,312	2,818	3,330
Nevada	1,275	885	652	578	487	547
New Hampshire	2,123	2,180	1,610	1,320	1,050	1,275
New Jersey	21,383	20,849	15,474	12,210	10,125	12,046
New Mexico	2,500	2,192	1,784	1,394	1,106	1,324
New York	45,599	45,951	34,112	27,740	22,653	27,779
North Carolina	11,745	11,417	7,750	6,090	4,944	5,791
North Dakota	3,063	2,183	2,337	1,735	1,521	1,679
Ohio	39,938	35,298	25,352	19,469	15,515	20,210
Oklahoma	10,046	8,597	7,159	5,862	5,039	5,735
Oregon	7,505	6,264	4,402	3,413	2,802	3,429
Pennsylvania	39,372	39,368	27,941	21,490	17,466	22,462
Rhode Island	3,488	3,285	2,293	1,861	1,511	1,851
South Carolina	6,085	5,741	3,954	3,045	2,391	2,807
South Dakota	3,421	2,535	2,274	2,103	1,525	1,612
Tennessee	9,521	8,406	5,713	4,226	3,480	4,067
Texas	34,417	30,164	23,198	18,545	15,563	17,624
Utah	3,189	2,381	1,762	1,397	1,124	1,378
Vermont	1,654	1,681	1,180	953	777	940
Virginia	11,197	11,192	7,101	5,411	4,398	5,115
Washington	11,328	9,003	6,271	4,821	4,066	4,950
West Virginia	5,631	5,386	3,805	2,934	2,362	3,104
Wisconsin	15,984	13,528	9,978	7,935	6,669	8,282
Wyoming	1,552	1,528	1,159	959	791	947
U. S. total	616,376	561,681	408,709	321,595	263,483	320,439

² Estimated from gasoline consumption and new-car sales by states.

³ Automotive portion of total federal gasoline-tax collections distributed.

⁴ Includes automotive portion of taxable lubricating-oil tax collections; and all manufacturers' excises on automobile and truck chassis and bodies; other automobiles and motorcycles; parts and accessories for automobiles; tires and inner tubes; and motor-vehicle use tax. For distribution of federal lubricating-oil taxes between automotive and industrial uses, see p. 408.

Authority: Calculated by American Petroleum Industries Committee from data of Bureau of Internal Revenue; Bureau of Public Roads.

FEDERAL PETROLEUM TAXES, BY TYPES AND BY YEARS, 1918-1949

Year	Gasoline ¹	Lubricating- Oil ²	Transportation of Oil by Pipe Line ⁴	Crude Oil Processed ⁵	Total Federal Petroleum Taxes
1949.....	\$504,063,429	\$80,317,326	\$18,764,629	.....	\$603,145,384
1948.....	498,362,790	81,883,450	19,643,185	.....	599,889,425
1947.....	455,350,120	78,649,309	18,029,961	.....	552,029,390
1946.....	413,953,324	73,442,151	15,174,591	.....	502,570,066
1945.....	424,585,162	96,997,514	15,679,682	.....	537,262,358
1944.....	328,597,299	66,282,554	16,348,217	.....	411,228,070
1943.....	265,303,272	49,210,861	14,264,179	.....	328,778,312
1942.....	336,684,645	41,176,446	13,920,707	.....	391,781,798
1941.....	371,135,781	43,851,860	13,202,388	.....	428,190,029
1940.....	281,653,761	34,420,051	12,017,232	.....	328,091,044
1939.....	215,217,325	29,836,487	10,971,177	2,944	256,027,933
1938.....	200,880,797	30,495,339	11,599,693	583,142	243,558,972
1937.....	203,025,380	33,681,590	12,304,203	967,375	249,978,548
1936.....	186,541,996	28,985,547	10,423,608	859,758	226,810,909
1935.....	172,262,481	28,818,918	9,256,287	1,691,116	212,028,803
1934.....	170,109,269	24,843,489	10,008,692	810,695	205,772,144
1933.....	181,125,988	22,289,625	10,237,275	.....	213,652,887
1932.....	62,839,827	7,067,419	2,577,905	.....	72,485,151
1931.....	.....	.....	.....	.....	.....
1930.....	.....	.....	.....	.....	.....
1929.....	.....	.....	.....	.....	.....
1928.....	.....	.....	.....	.....	.....
1927.....	.....	.....	.....	.....	.....
1926.....	.....	.....	.....	.....	.....
1925.....	.....	.....	.....	.....	.....
1924.....	.....	.....	.....	.....	.....
1923.....	.....	.....	.....	.....	.....
1922.....	.....	.....	7,623,817	.....	7,623,817
1921.....	.....	.....	9,989,874	.....	9,989,874
1920.....	.....	.....	8,426,406	.....	8,426,406
1919.....	.....	.....	5,601,694	.....	5,601,694
1918.....	.....	.....	1,433,325	.....	1,433,325

¹ 1 cent per gallon, June 21, 1932; increased to 1½ cents, June 17, 1933; decreased to 1 cent, Dec. 31, 1933; increased to 1½ cents, June 30, 1940.

² 4 cents per gallon, June 21, 1932; increased to 4½ cents, June 30, 1940; and to 6 cents, Nov. 1, 1942.

⁴ 4 per cent of transportation charge, June 21, 1932; increased to 4½ per cent, June 30, 1940.

⁵ 1/10 cent per barrel, June 9, 1934; decreased to 1/25 cent per barrel, Sept. 1, 1935; tax expired June 30, 1938.

Authority: Bureau of Internal Revenue.

ESTIMATED FEDERAL AUTOMOTIVE TAXES, BY TYPES AND BY YEARS, 1937-1949

(Thousands of Dollars)

Year	Gasoline ¹	Lubricating- Oil ²	Motor- Vehicle ⁴	Total
1949.....	477,749	45,781	808,038	1,331,568
1948.....	434,173	45,637	699,036	1,178,846
1947.....	398,340	43,918	608,664	1,050,922
1946.....	362,251	36,053	395,860	794,164
1945.....	362,001	36,771 ⁵	311,279	710,051
1944.....	274,050	30,395	232,760	537,205
1943.....	222,960	24,888	194,557	442,405
1942.....	292,175	22,475	301,726	616,376
1941.....	330,310	25,434	206,137	561,881
1940.....	250,672	22,027	136,010	408,709
1939.....	191,543	19,767	110,265	321,595
1938.....	178,784	19,469	65,230	263,483
1937.....	180,693	20,167	119,579	320,439

¹ Automotive portion of federal gasoline-tax collections distributed.

² Automotive portion of taxable lubricating-oil tax collections.

⁴ All manufacturers' excises on automobile and truck chassis and bodies; other automobiles and motorcycles; parts and accessories for automobiles; tires and inner tubes; and motor-vehicle use tax.

⁵ Includes collections applicable to prior years.

Authority: Bureau of Internal Revenue.

ANNUAL U. S. FUEL CONSUMPTION, FUEL COST, AND TAXES PER MOTOR VEHICLE, BY YEARS, 1920-1949¹

Year	Average Annual Consump- tion Per Motor Vehicle ² (Gallons)	Average Service- Station Price Exclusive of Tax (Cents)	Average Annual Fuel Cost (Exclusive of Tax)	Average Gasoline Tax (Cents)	Average Annual Gasoline- Tax Cost	Average Service- Station Cost Inclusive of Tax (Cents)	Average Total Annual Fuel Cost	Per Cent Added by Tax
1949.....	754	20.27	\$152.84	6.52	\$49.16	26.79	\$202.00	32.2
1948.....	769	19.54	150.26	6.34	48.75	25.88	199.02	32.4
1947.....	779	16.93	131.89	6.18	48.14	23.11	180.03	36.5
1946.....	800	14.69	117.52	6.08	48.64	20.77	166.16	41.4
1945.....	641	14.48	92.82	6.02	38.59	20.50	131.41	41.6
1944.....	559	14.62	81.72	5.97	33.37	20.59	115.09	40.8
1943.....	540	14.56	78.62	5.97	32.24	20.53	110.86	41.0
1942.....	625	14.46	90.38	5.97	37.31	20.43	127.69	41.3
1941.....	755	13.30	100.42	5.93	44.77	19.23	145.19	44.6
1940.....	733	12.75	93.46	5.66	41.49	18.41	134.95	44.4
1939.....	721	13.31	95.97	5.44	39.22	18.75	135.19	40.9
1938.....	694	14.07	97.65	5.44	37.75	19.51	135.40	38.7
1937.....	705	14.59	102.86	5.40	38.07	19.99	140.93	37.0
1936.....	696	14.10	98.14	5.35	37.24	19.45	135.38	37.9
1935.....	668	13.55	90.51	5.29	35.34	18.84	125.85	39.0
1934.....	647	13.64	88.25	5.21	33.71	18.85	121.96	38.2
1933.....	618	12.41	76.69	5.41	33.43	17.82	110.12	43.6
1932.....	603	13.30	80.20	4.63	27.92	17.93	108.12	34.8
1931.....	623	13.00	80.99	4.00	24.92	17.00	105.91	30.8
1930.....	599	16.16	96.80	3.79	22.70	19.95	119.50	23.5
1929.....	593	17.92	106.27	3.50	20.76	21.42	127.03	19.5
1928.....	564	17.90	100.96	3.04	17.15	20.94	118.11	17.0
1927.....	527	18.31	96.49	2.81	14.81	21.12	111.30	15.3
1926.....	509	20.97	106.74	2.41	12.27	23.38	119.01	11.5
1925.....	488	20.09	98.04	2.11	10.30	22.20	108.34	10.5
1924.....	480	19.46	93.41	1.48	7.10	20.94	100.51	7.6
1923.....	509	21.06	107.20	0.92	4.68	21.98	111.88	4.4
1922.....	488	24.82	121.12	0.39	1.90	25.21	123.02	1.6
1921.....	464	26.08	121.01	0.21	0.97	26.29	121.99	0.8
1920.....	500	29.73	148.65	0.10	0.50	29.83	149.15	0.3

¹ Average number of motor vehicles in use is basis of table. See footnote 3.
² Estimates of automotive motor-fuel demand (Bureau of Mines through 1943; Bureau of Public Roads from 1944 through 1948; American Petroleum Institute for 1949) divided by average number of motor vehicles in use during each year. For breakdown by passenger cars, trucks, and buses, see table entitled "Average consumption of motor fuel by U. S. motor vehicles, by years, 1925-1949."

Authority: Bureau of Public Roads; Bureau of Mines; gasoline-price and tax data gathered and compiled by The Texas Co.; calculations by American Petroleum Institute.

AVERAGE STATE AND FEDERAL TAXES ON PRIVATE AND COMMERCIAL VEHICLES, PER MOTOR VEHICLE— BY STATES, 1949

(Dollars)

State	Average State Taxes			Average Federal Taxes			Average State and Federal Taxes	
	Gasoline	Registration Fees	Total	Gasoline	Other Excise Taxes	Total	Gasoline	Total Average Including Gasoline
Alabama	52.04	19.07	71.11	11.63	20.25	31.88	63.67	103.00
Arizona	41.50	16.56	58.06	12.17	19.60	31.77	53.67	88.07
Arkansas	51.79	21.62	73.41	10.58	20.06	31.04	62.77	104.45
California	33.03	23.57	56.60	10.71	16.97	27.68	43.74	84.28
Colorado	38.95	12.84	51.79	9.74	17.33	27.07	48.69	78.67
Connecticut	27.99	16.41	44.40	10.12	17.13	27.25	38.11	71.66
Delaware	38.43	18.38	56.81	12.82	24.43	37.25	51.25	94.15
District of Columbia ..	39.99	23.24	63.23	15.14	24.12	39.26	55.13	102.50
Florida	57.39	24.84	82.23	10.85	18.47	29.32	68.24	111.56
Georgia	53.39	6.46	59.85	11.85	20.41	32.26	65.24	92.11
Idaho	40.76	11.50	52.26	9.94	19.51	29.45	50.70	81.72
Illinois	22.20	15.64	37.84	11.29	22.52	33.81	33.49	71.65
Indiana	29.27	11.79	41.06	10.85	19.31	30.16	40.12	71.21
Iowa	26.68	21.92	48.60	9.96	19.34	29.30	36.64	77.89
Kansas	27.50	12.88	40.38	8.65	18.29	26.94	36.15	67.32
Kentucky	50.08	19.52	69.60	10.68	18.60	29.28	60.76	98.88
Louisiana	66.93	11.35	78.28	11.01	20.38	31.39	77.94	109.68
Maine	49.68	23.90	73.58	12.05	18.20	30.25	61.73	103.32
Maryland	35.73	25.36	61.09	10.69	19.14	29.83	46.42	80.92
Massachusetts	21.32	11.26	32.58	10.98	18.47	29.45	32.30	62.02
Michigan	20.54	17.69	38.23	10.33	22.12	32.45	30.87	70.68
Minnesota	29.78	17.01	46.79	9.74	18.57	28.31	39.52	75.10
Mississippi	51.97	14.56	66.53	12.60	20.67	33.27	64.57	99.81
Missouri	15.41	17.19	32.60	11.97	20.16	32.13	27.38	64.73
Montana	36.70	12.09	48.79	9.88	20.50	30.38	46.58	79.17
Nebraska	38.30	11.54	49.84	9.81	19.08	28.89	48.11	78.73
Nevada	41.26	19.80	61.06	13.99	19.52	33.51	55.25	94.56
New Hampshire	29.12	23.81	52.93	10.71	17.34	28.05	39.83	80.98
New Jersey	21.43	23.42	44.85	11.36	19.36	30.72	32.79	75.57
New Mexico	54.67	23.22	77.89	13.46	19.24	32.70	68.13	110.59
New York	25.95	21.92	47.87	9.97	19.53	29.50	35.92	77.36
North Carolina	53.28	21.26	74.54	12.31	19.96	32.27	65.59	106.82
North Dakota	20.55	19.21	39.76	7.76	18.95	26.71	28.31	66.48
Ohio	28.67	18.50	47.17	10.82	19.41	30.23	39.49	77.40
Oklahoma	42.94	20.87	63.81	9.91	18.49	28.40	52.85	92.21
Oregon	37.57	16.09	53.66	10.25	17.24	27.49	47.82	81.14
Pennsylvania	33.75	18.40	52.15	10.69	20.04	30.73	44.44	82.83
Rhode Island	25.82	18.30	44.12	9.44	17.95	27.39	35.26	71.50
South Carolina	47.15	10.46	57.61	10.69	17.49	28.18	57.84	85.79
South Dakota	24.42	16.15	40.57	9.39	17.68	27.07	33.61	67.63
Tennessee	56.08	16.23	72.31	11.39	20.83	32.22	67.47	104.54
Texas	30.44	22.46	52.90	11.97	18.98	30.95	42.41	83.84
Utah	32.96	10.77	43.73	11.64	18.80	30.44	44.60	74.17
Vermont	38.00	33.50	71.50	11.69	21.39	33.08	49.69	104.58
Virginia	49.81	15.24	65.05	12.31	21.82	34.13	62.12	99.19
Washington	42.21	21.69	63.90	10.01	16.69	26.70	52.22	90.60
West Virginia	39.07	29.10	68.17	11.50	17.36	28.86	50.57	97.03
Wisconsin	27.53	20.70	48.23	10.20	19.06	29.26	37.73	77.48
Wyoming	44.88	19.11	63.99	14.96	21.93	36.89	59.84	100.89
U. S. average.....	33.42	18.76	52.18	10.83	19.35	30.18	44.25	82.36

Authority: Calculated by American Petroleum Industries Committee.

ESTIMATED FEDERAL TAXES ON LUBRICATING OILS—BY STATES, 1948

State	Estimated Automotive Use ²			Estimated Industrial Use			Estimated Total Use		
	Total Gallonage ³	Taxable Gallonage	Tax Payable	Total Gallonage ³	Taxable Gallonage	Tax Payable	Total Gallonage ³	Taxable Gallonage	Tax Payable
Alabama	12,750,326	12,112,810	\$726,769	15,615,583	10,808,941	\$648,536	28,365,909	22,921,751	\$1,375,305
Arizona	5,718,896	5,432,952	325,977	2,602,597	1,801,490	108,089	8,321,493	7,234,442	434,066
Arkansas	9,306,973	8,871,024	532,261	2,739,576	1,896,306	113,778	12,046,549	10,767,330	646,039
California	87,242,131	83,079,325	4,984,772	34,587,147	23,940,857	1,436,451	121,825,278	107,020,382	6,421,223
Colorado	10,594,021	10,064,320	603,859	3,492,959	2,417,790	145,067	14,086,980	12,482,110	748,926
Connecticut	11,812,802	11,222,162	673,330	15,136,157	10,477,088	628,625	26,948,959	21,699,250	1,301,955
Delaware	2,250,058	2,137,555	128,253	1,712,235	1,185,191	71,111	3,962,293	3,322,746	199,364
District of Columbia	4,710,115	4,485,109	269,107	890,362	616,299	36,978	5,600,477	5,101,408	306,085
Florida	19,406,747	18,438,409	1,106,185	4,246,343	2,939,274	176,356	23,653,090	21,375,683	1,282,541
Georgia	16,969,164	16,120,725	967,244	10,547,368	7,300,776	438,047	27,516,552	23,421,501	1,405,291
Iaho	4,781,372	4,542,304	272,538	1,095,830	758,522	45,511	5,877,202	5,300,826	318,049
Illinois	54,282,640	51,568,508	3,094,110	52,325,902	36,219,435	2,173,166	106,608,542	87,781,943	5,267,276
Indiana	28,125,720	26,719,434	1,603,166	29,450,442	20,385,284	1,223,117	57,576,162	47,104,718	2,826,283
Iowa	22,969,338	21,820,871	1,309,252	5,410,663	3,745,203	224,712	28,380,001	25,566,074	1,533,964
Kansas	18,187,966	17,278,567	1,036,714	5,068,216	3,506,165	210,490	23,256,182	20,786,732	1,247,204
Kentucky	13,072,802	12,469,069	748,144	6,438,004	4,456,318	267,379	19,563,340	16,925,387	1,015,523
Louisiana	5,625,144	5,343,887	320,633	6,506,493	4,503,726	315,735	20,675,125	17,744,410	1,064,865
Maine	11,906,555	11,311,227	678,674	11,506,219	7,964,483	477,869	23,412,774	19,275,710	590,857
Maryland	22,969,338	21,820,871	1,309,252	26,025,972	18,014,902	1,080,894	48,995,310	39,835,773	2,390,146
Massachusetts	46,032,428	43,730,907	2,623,848	43,901,705	30,388,296	1,823,298	89,934,133	74,119,103	4,447,146
Michigan	22,125,566	21,019,288	1,261,157	5,688,917	3,688,917	341,335	30,344,294	26,708,205	1,602,492
Minnesota	9,658,497	9,173,672	550,420	3,013,534	2,085,936	125,156	12,670,031	11,259,608	675,576
Mississippi	26,438,177	25,116,268	1,506,976	13,697,880	9,481,528	568,892	40,136,057	34,597,796	2,075,868
Missouri	5,531,392	5,254,822	315,289	1,643,746	1,137,783	68,267	7,175,138	6,392,605	383,556
Montana	12,367,774	11,833,385	710,003	2,123,171	1,469,637	88,178	14,490,945	13,303,022	798,181
Nebraska	1,875,048	1,781,296	106,878	2,054,881	1,422,229	85,334	3,929,730	3,203,525	192,212
Nevada	3,187,582	3,028,023	181,959	2,945,044	2,038,528	122,312	6,132,626	5,066,731	304,004
New Hampshire	27,788,211	27,080,211	1,667,293	31,779,082	21,997,144	1,319,829	61,028,831	49,785,355	2,987,122
New Jersey	5,343,887	5,076,692	304,602	616,405	426,669	25,600	5,960,292	5,503,361	330,202
New Mexico	61,314,070	58,248,366	3,494,902	63,969,100	44,278,733	2,656,724	125,283,170	102,527,099	6,151,626
New York	20,531,776	19,505,187	1,170,311	17,738,755	12,278,578	736,715	38,270,531	31,783,765	1,907,026
North Carolina	7,086,173	6,748,664	404,920	2,733,858	189,630	11,378	7,360,131	6,938,294	416,298
North Dakota	51,938,830	49,341,888	2,960,513	60,407,651	41,813,536	2,508,812	112,346,481	91,155,424	5,469,325
Ohio	16,406,670	15,586,337	935,180	4,931,237	3,413,350	204,801	21,337,907	18,999,667	1,139,981
Oklahoma	12,750,326	12,112,810	726,769	6,164,046	4,266,687	256,001	18,914,372	16,379,497	982,770
Oregon	52,688,849	50,054,406	3,003,534	75,338,340	52,148,401	3,128,904	128,027,189	102,202,807	6,132,168
Pennsylvania	4,031,353	3,829,787	229,787	4,999,726	3,460,758	207,846	9,031,079	7,290,544	437,433
Rhode Island	10,312,764	9,797,126	587,828	9,657,005	6,684,477	401,069	19,969,767	16,481,603	985,897
South Carolina	7,179,925	6,837,729	410,264	410,936	284,446	17,067	7,590,661	7,122,175	427,331
South Dakota									

ESTIMATED FEDERAL TAXES ON LUBRICATING OILS—BY STATES, 1948—Continued

State	Estimated Automotive Use ²			Estimated Industrial Use			Estimated Total Use		
	Total Gallonage ³	Taxable Gallonage	Tax Payable	Total Gallonage ³	Taxable Gallonage	Tax Payable	Total Gallonage ³	Taxable Gallonage	Tax Payable
Tennessee	15,937,908	15,141,013	908,461	11,300,751	7,822,260	469,336	27,238,659	22,963,273	1,377,797
Texas	62,008,052	58,487,650	3,509,259	18,303,074	13,084,508	785,070	80,911,126	71,572,158	4,294,329
Utah	4,875,125	4,631,369	277,882	3,355,981	2,322,974	139,378	8,231,106	6,954,343	417,260
Vermont	2,437,562	2,315,684	138,941	1,301,299	900,745	54,045	3,738,861	3,216,429	192,986
Virginia	18,000,461	17,100,438	1,026,026	11,506,219	7,964,483	477,869	29,506,680	25,064,921	1,503,895
Washington	16,781,680	15,942,596	956,556	10,752,835	7,442,999	446,580	27,534,515	23,385,595	1,403,136
West Virginia	9,000,230	8,550,219	513,013	10,273,410	7,111,146	426,669	19,273,640	15,661,365	939,682
Wisconsin	23,344,348	22,177,130	1,330,828	19,930,415	13,795,623	827,737	43,274,763	35,972,753	2,158,365
Wyoming	3,281,334	3,117,267	187,036	684,894	474,076	28,445	3,966,228	3,591,343	215,481
U. S. total.....	937,524,000	890,647,800	\$53,438,868	684,894,000	474,076,375	\$28,444,562	1,622,418,000	1,364,724,175	\$81,883,450

² Estimated automotive use includes consumption of automotive lubricating oils by tractors, motor boats, motorcycles, airplanes, and the use in industry of automotive-type lubricating oils.
³ Includes greases.

Authority: American Petroleum Industries Committee

ESTIMATED FEDERAL TAXES ON LUBRICATING OILS—BY STATES, 1947

State	Estimated Automotive Use ²			Estimated Industrial Use			Estimated Total Use		
	Total Gallonage ³	Taxable Gallonage	Tax Payable	Total Gallonage ³	Taxable Gallonage	Tax Payable	Total Gallonage ³	Taxable Gallonage	Tax Payable
Alabama	12,272,442	11,658,820	\$699,529	15,189,451	9,900,189	\$594,011	27,461,893	21,559,009	\$1,293,540
Arizona	5,536,440	5,259,618	315,577	2,531,575	1,650,032	99,002	8,068,015	6,909,050	414,579
Arkansas	8,489,208	8,064,748	483,885	2,664,816	1,736,875	104,213	11,154,024	9,645,925	588,098
California	94,857,672	90,114,798	5,406,887	33,643,302	21,928,050	1,315,683	128,500,974	112,042,838	6,722,570
Colorado	10,519,236	9,993,274	599,596	3,397,640	2,214,516	132,871	13,916,916	12,207,790	732,467
Connecticut	11,903,346	11,308,179	678,491	14,723,108	9,596,236	575,774	26,626,454	20,904,415	1,254,265
Delaware	2,214,576	2,103,847	126,231	1,665,510	1,085,547	65,133	3,869,086	3,189,394	191,364
District of Columbia	4,521,426	4,295,355	257,721	866,065	33,869	5,387,491	5,387,491	4,859,839	201,590
Florida	18,362,526	17,444,400	1,046,664	4,130,465	2,692,157	161,529	22,492,991	20,136,557	1,208,193
Georgia	16,609,320	15,778,854	946,731	10,259,542	6,686,970	401,218	26,866,862	22,465,824	1,347,949
Idaho	4,798,248	4,558,336	273,500	1,065,926	694,750	41,685	5,864,174	5,253,086	315,185
Illinois	52,042,536	49,440,409	2,967,286	50,897,286	33,174,318	1,990,459	102,940,522	82,614,727	4,956,884
Indiana	27,313,104	25,947,448	1,556,347	28,646,772	18,671,409	1,120,285	55,959,876	44,618,657	2,677,132
Iowa	22,708,308	21,591,793	1,295,508	5,263,012	3,430,329	205,820	27,971,320	25,022,122	1,561,328
Kansas	18,085,704	17,181,419	1,030,885	4,929,910	3,213,219	192,793	23,016,614	20,394,638	1,223,678
Kentucky	12,826,086	12,184,782	731,087	6,262,318	4,081,657	244,899	19,088,404	16,266,439	975,986
Louisiana	11,811,072	11,220,518	673,231	7,394,864	4,819,829	289,190	19,205,936	16,040,347	982,421
Maine	5,628,714	5,347,278	320,837	6,328,938	4,125,079	247,505	11,957,652	9,472,357	568,342
Maryland	11,611,072	11,220,518	673,231	11,192,227	7,294,876	437,693	23,003,299	18,515,394	1,110,924
Massachusetts	23,068,500	21,915,075	1,314,905	25,315,752	16,500,315	990,019	48,384,252	38,415,390	2,304,924
Michigan	45,767,904	43,479,509	2,608,771	42,703,676	27,833,426	1,670,006	88,471,580	71,312,935	4,278,777
Minnesota	21,978,390	20,894,171	1,253,650	7,994,448	5,210,626	312,638	29,972,838	26,104,797	1,566,288
Mississippi	9,504,222	9,029,011	541,741	2,931,298	1,910,563	114,634	12,435,520	10,939,574	656,375
Missouri	24,821,706	23,580,621	1,414,837	13,324,080	8,684,376	521,063	38,145,786	32,264,997	1,935,900
Montana	5,864,166	5,591,958	335,517	1,598,890	1,042,125	62,528	7,463,056	6,634,083	398,045
Nbraska	12,946,982	12,425,614	745,537	2,065,232	1,346,078	80,765	15,012,194	13,771,692	826,302
Nevada	1,845,480	1,753,206	105,192	1,998,612	1,302,656	78,159	3,844,092	3,055,862	183,351
New Hampshire	3,137,316	2,980,450	178,827	2,864,677	1,867,141	112,028	6,001,993	4,847,591	290,855
New Jersey	29,066,310	27,612,995	1,656,780	30,911,865	20,147,753	1,208,865	59,978,175	47,760,748	2,865,645
New Mexico	5,075,070	4,821,317	289,279	599,584	390,797	23,448	5,674,654	5,212,114	312,727
New York	60,254,922	57,242,175	3,434,531	62,223,454	40,556,038	2,433,362	122,478,376	97,798,213	5,867,893
North Carolina	19,331,164	18,934,625	1,136,078	17,254,684	11,246,267	674,776	37,185,868	30,180,892	1,810,854
North Dakota	7,996,002	7,659,202	459,552	266,482	173,688	10,421	8,262,484	7,832,890	469,973
Ohio	50,012,508	47,511,862	2,850,713	58,759,193	38,298,100	2,297,886	108,771,701	85,809,982	5,148,599
Oklahoma	16,424,772	15,603,533	936,212	4,796,669	3,126,375	187,582	21,221,441	18,729,908	1,123,794
Oregon	12,364,716	11,746,480	704,789	5,995,836	3,907,969	234,478	18,360,552	15,654,449	939,267
Pennsylvania	51,212,070	48,651,466	2,919,087	73,282,440	47,764,070	2,865,844	124,494,510	96,415,536	5,784,931
Rhode Island	4,060,056	3,857,053	231,423	4,863,289	3,169,797	190,188	8,923,345	7,026,850	421,611
South Carolina	9,873,318	9,379,852	562,779	9,393,476	6,122,485	367,349	19,266,794	15,502,137	930,128
South Dakota	7,206,906	6,888,561	413,314	399,722	260,531	15,632	7,606,628	7,149,092	428,946

ESTIMATED FEDERAL TAXES ON LUBRICATING OILS—BY STATES, 1947—Continued

State	Estimated Automotive Use ²				Estimated Industrial Use				Estimated Total Use			
	Total Gallons ³	Taxable Gallons	Tax Payable		Total Gallons ³	Taxable Gallons	Tax Payable		Total Gallons ³	Taxable Gallons	Tax Payable	
Tennessee	14,948,388	14,200,969	852,058		10,992,366	7,164,611	429,877		25,940,754	21,365,580	1,281,935	
Texas	58,972,074	55,737,870	3,344,272		18,387,230	11,984,439	719,066		77,359,304	67,722,309	4,063,338	
Utah	4,798,248	4,559,336	273,500		3,264,400	2,127,672	127,660		8,062,648	6,686,008	401,160	
Vermont	2,399,124	2,279,168	136,750		1,265,788	825,016	49,501		3,664,912	3,104,184	186,251	
Virginia	16,978,416	16,129,495	967,770		11,192,227	7,294,876	437,692		28,170,643	23,424,371	1,405,462	
Washington	16,240,224	15,428,213	925,693		10,459,403	6,817,236	409,034		26,699,627	22,245,449	1,334,727	
West Virginia	8,120,112	7,714,105	462,846		9,993,060	6,513,282	390,797		18,113,172	14,227,368	853,643	
Wisconsin	22,514,856	21,389,113	1,283,347		19,386,536	12,635,768	758,146		41,901,392	34,024,881	2,041,493	
Wyoming	3,045,042	2,892,790	173,567		666,204	434,219	26,053		3,711,246	3,327,009	199,620	
U. S. total.....	922,740,000	876,603,000	\$52,596,180		666,204,000	434,218,817	\$26,053,129		1,588,944,000	1,310,821,817	\$78,649,309	

² Estimated automotive use includes consumption of automotive lubricating oils by tractors, motor boats, motorcycles, airplanes, and the use in industry of automotive-type lubricating oils.

³ Includes greases.

Authority. American Petroleum Industries Committee

DIVERSION IN U. S. OF HIGHWAY-USER TAXES TO NON-HIGHWAY USES, BY YEARS, 1925-1948

(Thousands of Dollars)

Year	Total Revenue Disbursed ²				Diverted to Non-highway Uses				Diversion, Per Cent of Total
	Gasoline Taxes	Motor- Vehicle Fees	Motor- Carrier Taxes	Total Disburse- ments	Gasoline Taxes	Motor- Vehicle Fees	Motor- Carrier Taxes	Total Diver- sion	
1948....	1,348,122	695,958	36,966	2,081,046	85,807	102,080	1,483	189,370	9.10
1947....	1,196,480	610,192	32,069	1,838,741	90,017	73,078	7,423	170,518	9.27
1946....	1,046,374	525,675	30,755	1,602,804	58,150	26,912	9,516	94,578	5.90
1945....	773,817	435,134	26,829	1,235,780	60,523	37,453	1,858	99,834	8.08
1944....	684,944	426,018	25,942	1,136,904	86,044	43,562	8,896	138,502	12.18
1943....	663,646	429,185	24,546	1,117,377	102,094	45,767	7,594	155,455	13.91
1942....	855,271	444,897	21,223	1,321,391	141,810	55,164	7,191	204,165	15.45
1941....	948,038	482,834	21,139	1,452,011	153,484	55,884	5,671	215,039	14.81
1940....	866,259	437,105	17,718	1,321,082	143,734	48,350	4,495	196,579	14.88
1939....	816,629	392,004	18,283	1,226,916	136,382	40,965	4,307	181,654	14.81
1938....	769,313	389,225	16,664	1,175,202	121,257	32,682	4,345	158,284	13.47
1937....	768,010	410,401	16,721	1,195,132	119,404	38,096	3,913	161,413	13.51
1936....	683,074	361,510	13,411	1,057,995	119,408	46,603	3,333	169,344	16.01
1935....	615,581	312,508	12,347	940,436	110,471	33,910	2,762	147,142	15.65
1934....	565,140	309,327	9,250	883,717	88,927	32,129	1,093	122,150	13.82
1933....	519,404	302,694	(³)	822,098	54,766	37,249	(³)	92,015	11.19
1932....	514,139	324,273	....	838,412	47,570	28,186	....	75,756	9.04
1931....	537,590	344,337	....	881,927	18,575	4,718	....	23,293	2.64
1930....	494,683	355,705	....	850,388	15,153	4,430	....	19,583	2.30
1929....	431,636	347,844	....	779,480	10,316	3,802	....	14,118	1.81
1928....	305,234	322,630	....	627,864	8,346	3,372	....	11,718	1.87
1927....	258,967	301,061	....	560,028	5,338	3,083	....	8,421	1.50
1926....	187,603	288,282	....	475,885	3,521	2,727	....	6,248	1.31
1925....	146,029	260,620	..	406,649	6,436	489	....	6,925	1.70

² Diversions are made from revenues disbursed, rather than from revenues collected. Disbursements differ (but only slightly) from collections, because of time lag in actual distribution of funds, balances from previous years, and other reasons. Also, gasoline taxes and motor-vehicle fees include all revenues collected, such as dealer licenses, fines and penalties, etc.

³ Data not available prior to 1934.

Authority: Bureau of Public Roads.

DIVERSION OF HIGHWAY-USER TAXES IN THE U. S., BY STATES AND BY YEARS, 1934-1949 ²

(Thousands of Dollars)

State	1949	1948	1947	1946	1945	1944	1943	1942
Alabama	1,956	1,492	1,343	1,174	995	973	920	971
Arizona .....	.....	.....	.....	.....	.....	.....	.....	.....
Arkansas	216	194	45	55	.....	.....	.....	98
California	38,977	33,142	31,618	9,502	7,442	19,211	16,063	16,860
Colorado .....	.....	.....	.....	.....	.....	.....	.....	.....
Connecticut .....	.....	.....	.....	.....	.....	.....	.....	.....
Delaware .....	.....	1,042	67	220	240	503	293	859
District of Columbia..	1,688	1,242	466	450	382	337	330	313
Florida	26,205	23,141	20,752	17,993	14,116	12,813	12,077	13,053
Georgia	18,030	.....	13,655	5,820	3,310	.....	6,622	4,732
Idaho .....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois	440	.....	576	.....	2,117	2,700	4,729	4,694
Indiana	765	705	632	587	451	396	431	1,763
Iowa .....	.....	.....	.....	.....	.....	.....	.....	.....
Kansas .....	.....	.....	.....	.....	.....	.....	.....	.....
Kentucky .....	.....	.....	.....	.....	904	777	747	841
Louisiana .....	.....	4,301	3,189	7,245	.....	5,272	5,086	5,662
Maine .....	.....	1	12	.....	.....	.....	.....	.....
Maryland .....	.....	.....	.....	1,620	395	357	395	517
Massachusetts .....	.....	81	67	.....	364	820	869	1,278
Michigan .....	.....	.....	.....	.....	.....	.....	.....	.....
Minnesota	368	93	328	239	47	277	30	89
Mississippi .....	.....	.....	23	.....	.....	.....	.....	.....
Missouri .....	.....	.....	.....	.....	19	65	66	48
Montana	13	24	.....	19	6	4	4	105
Nebraska	238	.....	2,244	3,078	2,421	2,037	2,024	2,311
Nevada .....	.....	.....	.....	.....	.....	.....	.....	.....
New Hampshire .....	.....	.....	.....	.....	.....	.....	.....	.....
New Jersey	660	690	609	617	18,565	3,489	8,766	10,013
New Mexico	859	556	901	739	550	530	537	587
New York	27,653	71,444	36,148	.....	.....	36,095	33,421	62,934
North Carolina	2,160	2,010	1,863	1,674	1,241	948	1,064	1,185
North Dakota .....	.....	.....	.....	.....	.....	.....	.....	2
Ohio .....	.....	.....	7,216	9,169	7,593	4,080	11,122	13,948
Oklahoma	1,311	.....	6,677	.....	2,370	7,552	7,091	8,559
Oregon	433	195	274	.....	.....	.....	56	68
Pennsylvania	29	19	33	28	6,343	10,762	10,965	14,057
Rhode Island	4,795	4,023	4,810	3,371	2,321	2,684	3,078	4,054
South Carolina	896	822	737	677	562	519	376	542
South Dakota	52	120	88	61	41	49	46	59
Tennessee .....	.....	5,084	7,318	6,229	7,808	4,988	7,112	7,014
Texas	26,265	28,601	24,469	19,442	13,780	11,938	11,187	13,400
Utah .....	.....	.....	301	637	666	200	462	355
Vermont	10	27	29	23	24	24	25	26
Virginia .....	.....	132	73	77	.....	36	83	7
Washington	7,864	6,092	.....	.....	111	223	203	1,221
West Virginia .....	.....	.....	.....	.....	.....	.....	.....	.....
Wisconsin	4,228	4,097	3,935	3,827	4,650	7,843	9,175	11,940
Wyoming .....	.....	.....	.....	.....	.....	.....	.....	.....
U. S. total ⁴	166,111	189,370	170,518	94,578	99,834	138,502	155,455	204,165

DIVERSION OF HIGHWAY-USER TAXES IN THE U. S., BY STATES AND BY YEARS, 1934-1949²—Continued

(Thousands of Dollars)

State	1941	1940	1939	1938	1937	1936	1935	1934	Total from Inception through 1949 ³
Alabama	1,002	834	773	723	764	725	653	689	15,998
Arizona .....	....	....	2	5	7	7	192	307	668
Arkansas	94	....	....	19	82	77	....	250	1,446
California	17,724	13,989	12,289	11,952	10,157	5,427	1,283	22	245,658
Colorado .....	....	....	....	....	....	....	984	2,796	4,332
Connecticut .....	....	1	....	....	....	123	103	104	834
Delaware	1,559	26	17	4	8	....	562	....	5,400
District of Columbia	268	255	220	1,647	942	932	915	630	11,017
Florida	12,535	10,998	10,002	9,344	8,681	7,802	6,986	6,326	238,924
Georgia	6,410	3,816	7,472	3,255	3,239	2,901	5,582	2,388	101,806
Idaho .....	....	....	....	....	....	....	....	....	....
Illinois	4,919	6,985	6,868	9,472	7,683	7,412	7,506	8,558	78,537
Indiana	1,840	1,715	1,626	1,823	3,039	3,356	2,434	1,913	25,371
Iowa .....	....	....	....	....	....	....	....	....	1,105
Kansas .....	....	....	....	....	....	....	....	....	13
Kentucky	2,092	1,837	1,487	1,261	1,825	799	....	....	12,570
Louisiana	7,431	6,248	8,217	7,095	6,866	3,487	1,869	1,782	79,076
Maine .....	....	142	....	....	....	....	....	....	155
Maryland	1,688	1,335	644	424	....	538	463	123	8,799
Massachusetts	934	1,263	1,880	1,847	8,568	6,126	10,263	10,051	53,663
Michigan .....	....	....	151	249	276	342	352	383	2,089
Minnesota	209	247	163	142	165	194	156	54	3,403
Mississippi .....	....	....	....	....	....	....	1	265	289
Missouri	116	88	79	67	74	66	....	....	688
Montana .....	....	....	....	6	....	....	....	....	645
Nebraska	2,455	2,322	1,759	1,100	1,230	2,238	1,113	....	26,570
Nevada .....	....	....	....	....	....	....	....	....	....
New Hampshire .....	....	....	....	....	....	....	....	....	484
New Jersey	11,709	11,490	11,582	10,936	14,639	13,275	5,701	4,177	140,864
New Mexico	678	616	491	559	582	480	390	297	10,204
New York	64,385	63,982	60,370	44,860	39,973	59,790	58,527	45,426	809,374
North Carolina	1,411	1,133	1,028	958	1,394	2,432	1,757	1,683	24,395
North Dakota	6	3	26	13	14	5	906	1,100	3,796
Ohio	15,438	13,289	13,521	12,266	12,391	11,470	9,727	9,424	155,643
Oklahoma	2,779	232	150	4	1,858	3,882	3,494	3,181	53,869
Oregon	155	139	....	....	75	238	....	....	1,633
Pennsylvania	16,327	15,824	15,153	13,940	14,356	12,607	5,161	157	143,244
Rhode Island	4,604	3,942	4,202	3,605	1,976	1,995	671	698	52,165
South Carolina	366	217	176	190	184	154	141	6	6,798
South Dakota	172	107	499	414	1,700	2,131	2,357	1,907	11,208
Tennessee	7,379	7,932	3,641	3,165	2,494	3,654	2,658	3,323	81,528
Texas	14,444	11,586	11,096	10,466	10,246	9,307	8,290	7,887	277,715
Utah	10	37	49	80	76	45	....	38	2,956
Vermont	27	28	29	29	....	....	....	....	301
Virginia .....	....	9	13	72	35	30	29	57	653
Washington	1,393	1,072	999	1,015	1,005	942	825	948	24,782
West Virginia .....	....	....	....	....	....	....	2	....	2
Wisconsin	12,480	12,840	4,980	5,277	4,809	4,355	5,090	5,198	108,046
Wyoming .....	....	....	....	....	....	....	....	....	....
U. S. total ⁴	215,039	196,579	181,654	158,284	161,413	169,344	147,142	122,150	2,828,213

² Includes diversion from gasoline-tax, motor-vehicle-fee, and motor-carrier-tax disbursements.

³ Except that no diversion data prior to 1925 are available.

⁴ Totals correct; not all columns add to these because of rounding to nearest thousands.

Authority. Bureau of Public Roads.

TAXES PAID BY U. S. OIL PIPE-LINE COMPANIES,² BY YEARS, 1921-1949

Year	Number of Companies End of Year	U. S. Government Taxes	Other Taxes	Total Taxes	Total Taxes As Per Cent of Operating Revenue ³
1949.....	72	\$49,074,907	\$14,726,770	\$63,801,677	16.95
1948.....	74	52,453,499	12,804,107	65,257,606	17.31
1947.....	71	44,369,699	11,757,038	56,126,737	17.26
1946.....	70	43,292,770	10,075,527	53,368,297	18.17
1945.....	74	35,729,646	9,743,325	45,472,971	14.95
1944.....	75	60,794,752	9,192,475	69,987,227	22.56
1943.....	74	56,402,365	9,181,772	65,584,137	23.71
1942.....	69	53,475,632	9,746,241	63,221,873	25.80
1941.....	74	50,042,248	9,590,488	59,632,736	23.69
1940.....	71	31,690,185	9,593,194	41,283,379	18.29
1939.....	64	22,091,927	9,843,714	31,935,641	15.03
1938.....	59	24,583,342	9,744,064	34,327,406	15.04
1937.....	59	28,435,352	10,127,372	38,562,724	15.54
1936.....	60	23,392,065	8,275,371	31,667,436	14.46
1935.....	53	20,717,656	7,701,008	28,418,664	14.40
1934.....	53	20,005,171	7,411,436	27,416,607	13.77
1933.....	49	(⁴)	(⁴)	24,007,935	11.05
1932.....	49	(⁴)	(⁴)	15,766,556	7.44
1931.....	51	(⁴)	(⁴)	9,940,023	4.46
1930.....	40	(⁴)	(⁴)	16,730,653	7.03
1929.....	37	(⁴)	(⁴)	13,888,905	5.52
1928.....	33	(⁴)	(⁴)	13,374,194	6.02
1927.....	33	(⁴)	(⁴)	12,555,153	6.42
1926.....	34	(⁴)	(⁴)	13,453,822	7.77
1925.....	37	(⁴)	(⁴)	13,397,559	8.14
1924.....	36	(⁴)	(⁴)	9,764,382	6.65
1923.....	35	(⁴)	(⁴)	10,297,437	7.85
1922.....	36	(⁴)	(⁴)	11,752,184	9.18
1921.....	33	(⁴)	(⁴)	15,705,768	13.55

² Pipe-line companies reporting to the Interstate Commerce Commission.

³ For operating revenues, see table entitled "Operating revenues, expenses, and income, etc., of U. S. pipe-line companies," p. 439.

⁴ Not available.

Authority: Interstate Commerce Commission.



GENERAL

GENERAL

NOTE Footnote (1) is used throughout the book to indicate a preliminary figure

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Petroleum-Industry Workers Earn More Than Those in All Manufacturing

EMPLOYMENT, EARNINGS, AND PAYROLLS' OF PETROLEUM-INDUSTRY WORKERS,' COMPARED WITH ALL MANUFACTURING, 1947-1950

All Manufacturing					
Month and Year	Number of Workers (Thousands)	Average Weekly Earnings	Average Weekly Hours Worked	Average Hourly Earnings	Average Weekly Payroll (Thousands of Dollars)
January 1950.....	11,449	\$56.29	39.7	\$1.418	644,464.2
February	11,460	56.37	39.7	1.420	646,000.2
March	11,549	56.53	39.7	1.424	652,865.0
April	11,597	56.93	39.7	1.434	660,217.2
May	11,841	57.54	39.9	1.442	681,331.1
June ¹	12,070	58.70	40.4	1.453	708,509.0
January 1949.....	12,201	55.50	39.5	1.405	677,155.5
February	12,074	55.20	39.4	1.401	666,484.8
March	11,904	54.74	39.1	1.400	651,625.0
April	11,616	53.80	38.4	1.401	624,940.8
May	11,324	54.08	38.6	1.401	612,401.9
June	11,337	54.51	38.8	1.405	617,979.9
July	11,211	54.63	38.8	1.408	612,456.9
August	11,561	54.70	39.1	1.399	632,386.7
September	11,775	55.72	39.6	1.407	656,103.0
October	11,368	55.26	39.7	1.392	628,195.7
November	11,289	54.43	39.1	1.392	614,460.3
December	11,504	56.04	39.8	1.408	644,684.2
January 1948.....	12,893	52.86	40.6	1.302	681,524.0
February	12,802	52.58	40.2	1.308	673,129.2
March	12,824	52.92	40.4	1.310	678,646.1
April	12,476	52.56	40.0	1.314	655,738.6
May	12,394	52.83	39.9	1.324	654,775.0
June	12,559	53.87	40.2	1.340	676,553.3
July	12,571	53.97	39.8	1.356	678,456.9
August	12,804	55.06	40.1	1.373	704,988.2
September	13,017	55.16	39.8	1.386	718,017.7
October	12,913	55.60	40.0	1.390	717,962.8
November	12,775	55.60	39.8	1.397	710,290.0
December	12,578	56.14	40.1	1.400	706,128.9
January 1947.....	12,815	47.78	40.7	1.174	612,300.7
February	12,670	47.83	40.4	1.184	615,572.1
March	12,867	48.28	40.4	1.195	621,218.8
April	12,748	48.32	40.2	1.202	615,983.4
May	12,539	49.20	40.2	1.224	616,918.8
June	12,574	50.13	40.3	1.244	630,334.6
July	12,429	49.84	39.9	1.249	619,461.4
August	12,768	50.07	39.9	1.255	639,293.8
September	12,957	51.31	40.5	1.267	664,823.7
October	12,966	51.72	40.6	1.274	670,601.5
November	12,968	52.17	40.6	1.285	676,540.6
December	13,024	53.48	41.3	1.295	696,523.5
Annual averages:					
1949	11,597	54.92	39.2	1.401	636,907.2
1948	12,717	54.14	40.1	1.350	688,498.4
1947	12,794	49.97	40.4	1.237	639,316.2

EMPLOYMENT, EARNINGS, AND PAYROLLS¹ OF PETROLEUM- INDUSTRY WORKERS,² COMPARED WITH ALL MANUFACTURING, 1947-1950—Continued

Month and Year	Petroleum Refining				
	Number of Workers (Thousands)	Average Weekly Earnings	Average Weekly Hours Worked	Average Hourly Earnings	Average Weekly Payroll (Thousands of Dollars)
January 1950.....	145.4	\$77.41	40.7	\$1.902	11,255.4
February	144.0	74.84	39.6	1.890	11,777.0
March	142.8	74.88	39.6	1.891	10,692.9
April	135.6	76.99	40.5	1.901	10,439.8
May	136.1	75.73	39.9	1.898	10,306.9
June ¹	138.0	76.82	40.2	1.911	10,601.2
January 1949.....	149.1	77.02	41.5	1.856	11,483.7
February	149.5	73.89	39.9	1.852	11,046.6
March	149.3	74.00	40.0	1.850	11,048.2
April	148.8	73.95	39.8	1.858	11,003.8
May	148.5	75.21	40.5	1.857	11,168.7
June	149.6	74.73	39.9	1.873	11,179.6
July	150.3	76.60	40.4	1.896	11,513.0
August	149.9	75.10	39.8	1.887	11,257.5
September	149.2	77.11	40.5	1.904	11,504.8
October	148.4	76.13	40.3	1.889	11,297.7
November	147.6	75.44	40.0	1.886	11,134.9
December	145.7	74.83	39.7	1.885	10,902.7
January 1948.....	145.8	67.68	40.0	1.692	9,867.7
February	146.0	68.28	40.4	1.690	9,968.9
March	147.9	68.48	40.4	1.695	10,128.2
April	148.2	68.66	40.2	1.708	10,175.4
May	149.8	71.59	41.0	1.746	10,724.2
June	152.5	71.21	40.3	1.767	10,859.5
July	153.2	74.64	40.7	1.834	11,434.8
August	153.4	75.30	41.1	1.832	11,551.0
September	151.4	70.99	37.9	1.873	10,747.9
October	140.3	76.13	40.8	1.866	10,681.0
November	149.4	75.92	40.0	1.898	11,342.4
December	149.1	75.02	40.4	1.857	11,185.5
January 1947.....	135.3	57.80	39.7	1.456	7,820.3
February	136.3	58.37	39.9	1.463	7,955.8
March	137.0	59.78	39.8	1.502	8,189.9
April	136.5	61.35	40.2	1.526	8,374.3
May	138.5	62.61	40.5	1.546	8,671.5
June	141.8	63.72	40.9	1.558	9,035.5
July	145.2	64.84	40.6	1.597	9,414.8
August	146.2	64.28	40.3	1.595	9,397.7
September	145.4	65.53	40.4	1.622	9,528.1
October	145.0	62.74	38.8	1.617	9,097.3
November	145.1	66.42	40.8	1.628	9,637.5
December	145.9	66.90	40.3	1.660	9,760.7
Annual averages:					
1949	148.8	75.33	40.2	1.874	11,209.1
1948	148.9	72.06	40.3	1.788	10,729.7
1947	141.5	62.95	40.2	1.566	8,907.4

EMPLOYMENT, EARNINGS, AND PAYROLLS² OF PETROLEUM- INDUSTRY WORKERS,³ COMPARED WITH ALL MANUFACTURING, 1947-1950—Continued

Crude-Oil and Natural-Gas Production

Month and Year	Number of Workers (Thousands)	Average Weekly Earnings	Average Weekly Hours Worked	Average Hourly Earnings	Average Weekly Payroll (Thousands of Dollars)
January 1950	122.9	\$76.24	41.8	\$1.824	9,369.9
February	123.3	71.88	40.0	1.797	8,862.8
March	123.3	70.88	39.8	1.781	8,739.5
April	123.5	74.41	41.2	1.806	9,189.6
May	124.2	70.88	40.0	1.772	8,803.3
June ¹	127.9	71.10	39.9	1.782	9,093.7
January 1949	125.7	73.32	41.1	1.784	9,216.3
February	125.9	70.37	39.8	1.768	8,859.6
March	125.7	69.54	39.6	1.756	8,741.2
April	125.7	70.30	39.9	1.762	8,836.7
May	126.5	71.78	40.6	1.768	9,080.2
June	130.0	70.59	39.7	1.778	9,176.7
July	131.1	72.54	40.3	1.800	9,510.0
August	131.6	70.74	40.1	1.764	9,309.4
September	128.7	72.40	40.4	1.792	9,317.9
October	126.1	73.87	41.2	1.793	9,315.0
November	124.7	71.20	40.0	1.780	8,878.6
December	123.9	71.52	40.0	1.788	8,861.3
January 1948	121.3	64.72	40.2	1.610	7,850.5
February	121.4	66.34	40.9	1.622	8,053.7
March	123.0	62.57	39.5	1.584	7,696.1
April	124.0	63.84	39.9	1.600	7,916.2
May	125.9	66.00	40.1	1.646	8,309.4
June	130.4	64.77	39.4	1.644	8,446.0
July	133.5	67.57	40.1	1.685	9,020.6
August	133.8	70.18	41.5	1.691	9,390.1
September	130.4	67.83	39.6	1.713	8,845.0
October	127.1	68.28	39.7	1.720	8,678.4
November	127.8	68.82	39.6	1.738	8,795.2
December	127.0	69.52	40.0	1.738	8,829.0
January 1947	115.3	56.13	41.0	1.369	6,471.8
February	115.6	56.18	40.1	1.401	6,494.4
March	116.2	56.00	39.3	1.425	6,507.2
April	117.2	58.85	40.5	1.453	6,897.2
May	118.4	58.93	40.5	1.455	6,977.3
June	121.4	61.73	41.6	1.484	7,494.0
July	123.8	60.33	40.6	1.486	7,468.9
August	124.4	59.63	40.1	1.487	7,418.0
September	122.5	60.55	40.1	1.510	7,417.4
October	121.5	59.95	40.1	1.495	7,283.9
November	121.5	63.21	40.7	1.553	7,680.0
December	122.0	60.83	39.4	1.544	7,421.3
Annual averages:					
1949	127.1	71.48	40.2	1.778	9,085.1
1948	127.1	66.68	40.0	1.667	8,475.0
1947	120.0	59.36	40.3	1.473	7,123.2

¹ Preliminary.

² Average weekly payroll data computed by American Petroleum Institute.

³ Includes non-salaried workers only.

Authority: Bureau of Labor Statistics.

EMPLOYMENT IN PETROLEUM REFINING AND IN CRUDE-OIL AND NATURAL-GAS PRODUCTION, BY MONTHS AND YEARS, 1947-1950

Month and Year	All Manufacturing Industries (All Employees)	Petroleum Refining (All Employees)	Crude-Oil and Natural-Gas Production (All Employees)
January 1950	13,980,000	195,400	251,100
February	13,997,000	195,100	249,800
March	14,103,000	194,800	249,200
April	14,162,000	185,700	251,400
May	14,413,000	186,200	253,900
June	14,667,000 ¹	188,300 ¹	259,200 ¹
January 1949	14,782,000	200,400	260,000
February	14,649,000	199,600	258,300
March	14,475,000	198,500	257,400
April	14,177,000	199,100	258,600
May	13,877,000	198,000	260,100
June	13,884,000	198,900	261,900
July	13,757,000	199,900	263,500
August	14,114,000	200,200	262,900
September	14,312,000	199,200	260,700
October	13,892,000	197,600	256,200
November	13,807,000	197,300	254,800
December	14,031,000	195,600	253,400
January 1948	15,406,000	195,000	245,800
February	15,345,000	195,200	246,300
March	15,369,000	196,200	248,700
April	15,028,000	197,600	250,300
May	14,947,000	199,800	254,700
June	15,107,000	202,500	260,200
July	15,155,000	204,500	264,800
August	15,400,000	205,100	266,400
September	15,617,000	202,400	264,900
October	15,514,000	190,900	261,600
November	15,368,000	200,000	263,000
December	15,174,000	200,400	263,700
January 1947	15,244,000	184,100	225,300
February	15,302,000	184,200	224,500
March	15,301,000	184,500	225,600
April	15,180,000	184,200	228,000
May	14,973,000	185,600	232,700
June	15,029,000	189,300	239,100
July	14,887,000	192,600	244,600
August	15,230,000	193,400	246,300
September	15,429,000	193,100	245,000
October	15,439,000	193,100	245,300
November	15,446,000	193,400	245,300
December	15,502,000	194,300	246,300
Annual averages			
1949	14,146,000	198,700	259,000
1948	15,286,000	199,100	257,500
1947	15,247,000	189,300	237,300

¹ Preliminary.

Authority: Bureau of Labor Statistics.

Average Weekly Earnings in Petroleum Production and Refining Double In Decade

AVERAGE WEEKLY EARNINGS IN U. S. PETROLEUM PRODUCTION AND REFINING COMPARED WITH OTHER INDUSTRIES

(Dollars)										
Month and Year	All Manu- facturing	Petroleum Refining	Petroleum Production	Blast Furnaces ²	Aircraft and Parts ³	Automobiles	Shipbuilding	Slaughtering ⁴	Chemicals ⁵	Rubber, Tires ⁶
January 1949.....	55.50	77.02	73.32	66.24	63.18	67.74	63.30	60.34	57.70	60.72
February	55.20	73.89	70.37	65.64	64.52	66.91	61.99	56.13	57.81	60.99
March	54.74	74.00	69.54	64.90	63.41	62.96	62.98	55.69	57.51	61.50
April	53.80	73.95	70.30	64.69	60.99	64.77	62.50	55.32	57.45	60.92
May	54.08	75.21	71.78	63.24	62.98	63.22	61.61	56.64	58.20	63.20
June	54.51	74.73	70.59	62.21	62.94	66.94	62.82	56.44	59.08	64.09
July	54.63	76.60	72.54	59.88	62.08	68.67	61.94	58.55	59.44	64.45
August	54.70	75.10	70.74	61.33	62.07	67.78	60.05	57.34	58.77	62.32
September	55.72	77.11	72.40	62.07	63.58	69.33	61.00	58.31	59.66	69.95
October	55.26	76.13	73.87	55.90	63.67	65.87	59.11	56.89	59.51	64.83
November	54.43	75.44	71.20	56.48	66.69	61.03	56.97	61.03	59.43	63.91
December	56.04	74.83	71.52	64.65	66.41	65.44	62.86	61.99	59.78	64.79
Average:										
1949	54.92	75.33	71.48	63.04	63.62	65.97	61.67	58.02	58.63	63.26
1948	54.14	72.06	66.68	62.41	61.21	61.86	60.68	59.15	56.23	62.16
1947 ⁷	49.97	62.95	59.36	56.12	54.98	57.45	57.34	55.57	51.13	61.75
1947	49.25	62.14	59.19	55.95	54.11	57.44	57.42	55.31	50.59	62.02
1946	43.82	56.75	52.96	48.25	52.24	50.22	52.34	45.71	44.34	55.31
1945	44.39	58.39	54.24	52.44	54.37	51.99	61.72	44.57	43.99	56.32
1944	46.08	58.18	53.27	54.02	54.50	57.82	63.84	45.42	43.58	57.84
1943	43.14	53.49	47.85	49.77	49.76	56.94	60.84	40.43	41.53	53.68
1942	36.65	43.99	40.35	41.67	46.21	51.94	55.99	33.02	36.36	45.01
1941	29.58	38.02	36.37	37.18	37.75	41.25	44.59	29.35	30.15	38.28
1940	25.20	34.98	34.03	31.49	31.40	35.76	34.81	27.60	26.80	33.55
1939	23.86 ⁷	34.97	34.09	29.88 ⁷	30.34	32.94	31.91	27.85	25.59	33.36
1938	22.30	34.91	34.12	23.78	29.02	30.45	30.91	28.10	24.89	28.11
1937	24.05	33.72	33.24	31.46	27.83	31.94	30.51	27.27	25.31	30.08
1936	21.78	29.36	29.93	27.37	26.08	29.75	27.35	23.89	22.29	30.72
1935	20.13	27.81	28.88	23.12	25.75	27.41	24.77	22.84	20.75	27.01
1934	18.40 ⁷	26.72	27.48	19.25	24.65	23.31	22.80	21.93	23.80	23.65
1933	16.73	26.46	27.51	17.27	27.46	20.96	20.81	20.00	23.42	20.53
1932	17.05	28.22	30.01	13.91	31.42	21.27	23.62	21.61	24.66	20.61

²Includes steel works and rolling mills.

³Excludes aircraft engines.

⁴Includes meat packing.

⁵Includes allied products.

⁶Includes inner tubes.

⁷Data revised on new basis; not comparable with prior years.

Authority: Bureau of Labor Statistics.

Average Hourly Earnings in Petroleum Production and Refining Rise Steadily

AVERAGE HOURLY EARNINGS IN U. S. PETROLEUM PRODUCTION AND REFINING COMPARED WITH OTHER INDUSTRIES

(Cents)										
Month and Year	All Manu- facturing	Petroleum Refining	Petroleum Production	Blast Furnaces ²	Aircraft and Parts ³	Automobiles	Shipbuilding	Slaughtering ⁴	Chemicals ⁵	Rubber Tires ⁶
January 1949.....	140.5	185.6	178.4	165.6	156.0	170.2	162.3	140.0	140.4	172.0
February.....	140.1	185.2	176.8	164.5	156.6	169.4	161.0	135.9	141.0	172.3
March.....	140.0	185.0	175.6	164.3	155.8	167.0	161.9	138.2	140.6	171.8
April.....	140.1	185.8	176.2	164.2	154.8	167.8	163.6	139.0	141.5	172.1
May.....	140.1	185.7	176.8	163.4	155.5	169.5	161.7	139.5	143.0	174.1
June.....	140.5	187.3	177.8	165.0	155.4	169.9	163.6	139.7	144.8	175.1
July.....	140.8	189.6	180.0	164.5	155.6	170.4	161.3	140.4	146.4	176.1
August.....	139.9	188.7	176.4	163.1	154.4	170.3	161.0	140.2	145.1	173.1
September.....	140.7	190.4	179.2	167.3	156.6	171.6	161.8	140.5	144.1	178.9
October.....	139.2	188.9	179.3	164.4	157.2	168.9	162.4	139.1	142.7	173.8
November.....	139.2	188.6	178.0	164.2	160.7	168.6	163.7	142.6	143.2	173.2
December.....	140.8	188.5	178.8	164.5	161.2	171.3	163.7	142.5	143.7	173.7
January 1948.....	130.2	169.2	161.0	152.9	142.7	153.1	156.5	127.4	130.0	164.3
February.....	130.8	169.0	162.2	151.1	142.8	153.8	157.9	127.5	130.9	161.2
March.....	131.0	169.5	158.4	150.8	143.4	153.6	153.7	130.0	130.8	159.8
April.....	131.4	170.8	160.0	151.1	144.4	152.9	153.6	142.7	132.0	160.0
May.....	132.4	174.6	164.6	151.4	145.6	154.5	153.1	144.0	133.9	163.3
June.....	134.0	176.7	164.4	153.7	146.8	161.7	152.6	138.1	135.8	164.9
July.....	135.6	183.4	168.5	155.5	148.6	164.2	153.6	137.3	137.5	168.2
August.....	137.3	183.2	169.1	163.9	150.2	166.0	156.7	135.5	139.3	172.8
September.....	138.6	187.3	171.3	167.5	153.5	167.8	160.9	138.4	139.3	173.0
October.....	139.0	186.6	172.0	165.4	156.3	168.6	162.5	136.8	137.7	173.4
November.....	139.7	189.8	173.8	165.4	157.1	168.1	161.7	141.9	138.9	173.1
December.....	140.0	185.7	173.8	165.5	156.5	168.3	162.4	140.6	139.6	171.9
Average:										
1949.....	140.1	187.4	177.8	164.6	156.7	169.6	162.3	139.8	143.0	173.9
1948.....	135.0	178.8	166.7	158.0	149.3	161.1	156.8	136.3	135.5	167.1
1947 ⁸	123.7	156.6	147.3	143.9	137.8	147.3	144.8	124.6	123.2	160.4
1946.....	122.1	154.5	146.8	143.9	136.0	147.3	145.0	124.5	122.8	160.4
1945.....	108.6	141.5	130.7	129.1	128.8	133.3	137.8	107.3	107.7	142.7
1945.....	102.3	127.6	119.7	118.8	119.1	125.6	137.0	94.1	98.9	127.9
1944.....	101.9	125.0	115.1	116.7	115.9	127.0	134.4	92.1	95.3	125.6
1943.....	96.1	120.1	110.0	112.4	107.2	123.4	128.0	87.2	91.6	118.7
1942.....	85.3	112.8	101.4	103.0	98.7	116.9	116.5	80.8	84.8	110.4
1941.....	72.9	103.4	93.4	95.3	84.0	104.2	100.2	74.1	73.9	102.8
1940.....	66.1	97.4	88.1	85.1	74.3	94.8	87.0	68.6	67.6	96.7
1939.....	63.3 ⁸	97.4	87.3	84.5 ⁸	74.5	92.9	83.5	68.6	64.9	95.7
1938.....	62.7	97.8	84.4	83.5	72.8	92.5	83.7	68.8	65.4	94.8
1937.....	62.4	94.5	82.7	81.8	66.6	89.1	81.4	66.5	63.2	95.0
1936.....	55.6	82.7	76.8	67.1	63.2	77.4	76.0	56.5	55.7	87.3
1935.....	55.0	80.1	78.5	66.4	65.0	73.9	75.0	55.9	53.9	84.2
1934.....	53.2 ⁸	75.0	(⁷)	63.2	63.6	70.0	72.8	52.8	61.6	77.9
1933.....	44.2	65.5	(⁷)	53.1	(⁷)	59.3	60.8	46.2	56.6	64.2
1932.....	44.6	63.8	(⁷)	52.7	(⁷)	68.0	63.5	46.5	54.5	62.5

² Includes steel works and rolling mills.

³ Excludes aircraft engines.

⁴ Includes meat packing.

⁵ Includes allied products.

⁶ Includes inner tubes.

⁷ Not available.

⁸ Data revised on new basis; not strictly comparable with prior years.

Authority: Bureau of Labor Statistics.

AVERAGE HOURS WORKED PER WEEK IN U. S. PETROLEUM PRODUCTION AND REFINING COMPARED WITH OTHER INDUSTRIES

Month and Year	All Manu- facturing	Petroleum Refining	Petroleum Production	Blast Furnaces ²	Aircraft and Parts ³	Automobiles	Shipbuilding	Slaughtering ⁴	Chemicals ⁵	Rubber Tires ⁶
January 1949.....	39.5	41.5	41.1	40.0	40.5	39.8	39.0	43.1	41.1	35.3
February	39.4	39.9	39.8	39.9	41.2	39.5	38.5	41.3	41.0	35.4
March	39.1	40.0	39.6	39.5	40.7	37.7	38.9	40.3	40.9	35.8
April	38.4	39.8	39.9	39.4	39.4	38.6	38.2	39.8	40.6	35.4
May	38.6	40.5	40.6	38.7	40.5	37.3	38.1	40.6	40.7	36.3
June	38.8	39.9	39.7	37.7	40.5	39.4	38.4	40.4	40.8	36.6
July	38.8	40.4	40.3	36.4	39.9	40.3	38.4	41.7	40.6	36.6
August	39.1	39.8	40.1	37.6	40.2	39.8	37.3	40.9	40.5	36.0
September	39.6	40.5	40.4	37.1	40.6	40.4	37.7	41.5	41.4	39.1
October	39.7	40.3	41.2	34.0	40.5	39.0	36.4	40.9	41.7	37.3
November	39.1	40.0	40.0	34.4	41.5	36.2	34.8	42.6	41.5	36.9
December	39.8	39.7	40.0	39.3	41.2	38.2	38.4	43.5	41.6	37.3
January 1948.....	40.6	40.0	40.2	39.6	40.2	39.5	41.2	44.8	41.8	38.1
February	40.2	40.4	40.9	39.5	40.5	38.3	38.7	40.8	41.4	36.1
March	40.4	40.4	39.5	39.6	40.8	38.9	40.3	43.5	41.4	34.8
April	40.0	40.2	39.9	38.6	41.3	38.6	40.2	48.5	41.3	35.4
May	39.9	41.0	40.1	39.9	41.1	35.2	39.3	46.9	41.4	37.5
June	40.2	40.3	39.4	39.4	41.0	37.7	39.1	44.1	41.5	38.9
July	39.8	40.7	40.1	38.8	40.5	38.5	38.7	42.9	41.3	39.3
August	40.1	41.1	41.5	39.7	41.2	38.9	37.7	41.3	41.2	39.5
September	39.8	37.9	39.6	39.3	41.4	37.2	36.4	41.7	41.5	37.9
October	40.0	40.8	39.7	40.3	41.2	39.0	37.3	42.0	41.8	37.2
November	39.8	40.0	39.6	40.0	41.4	38.8	34.7	43.1	41.7	36.2
December	40.1	40.4	40.0	39.8	41.4	39.7	39.0	44.4	41.8	35.6
Average:										
1949	39.2	40.2	40.2	37.8	40.6	38.9	37.8	41.4	41.0	36.5
1948	40.1	40.3	40.0	39.5	41.0	38.4	38.7	43.4	41.5	37.2
1947 ⁸	40.4	40.2	40.3	39.0	39.9	39.0	39.6	44.6	41.5	38.5
1947	40.3	40.2	40.5	38.9	39.8	39.0	39.6	44.5	41.2	38.5
1946	40.4	40.1	40.5	37.4	40.6	37.6	38.0	42.6	41.2	38.6
1945	43.4	45.9	45.2	44.1	45.7	41.3	45.1	47.5	44.5	44.0
1944	45.2	46.6	45.4	46.3	47.1	45.5	47.5	49.5	45.7	46.1
1943	44.9	44.5	42.6	44.3	46.4	46.2	47.5	46.5	45.3	45.3
1942	42.9	39.1	39.0	40.2	47.0	44.4	48.0	40.9	42.8	40.9
1941	40.6	37.0	37.9	39.0	45.3	39.6	44.4	39.6	40.8	37.3
1940	38.1	36.1	37.8	37.0	43.2	37.7	39.8	40.2	39.7	34.8
1939	37.7 ⁸	36.1	38.3	35.3 ⁸	41.5	35.4	38.0	40.6	39.5	35.0
1938	35.6	35.9	39.7	28.7	40.1	32.9	36.6	41.0	38.3	29.6
1937	38.6	36.0	39.7	38.7	42.3	35.9	37.1	41.0	40.5	31.8
1936	39.2	35.8	38.2	40.9	42.1	38.5	35.7	42.2	40.4	35.4
1935	36.6	35.0	36.1	34.9	40.9	37.1	32.8	40.4	38.8	32.3
1934	34.6 ⁸	34.9	35.0	30.5	39.4	33.3	31.0	40.8	38.6	30.7
1933	38.1	37.9	41.3	32.5	(⁷)	35.2	31.0	43.3	41.0	31.6
1932	38.3	41.8	52.0	26.1	(⁷)	31.3	34.4	46.3	42.4	32.5

² Includes steel works and rolling mills.

³ Excludes aircraft engines.

⁴ Includes meat packing.

⁵ Includes allied products.

⁶ Includes inner tubes.

⁷ Not available.

⁸ Data revised on new basis; not strictly comparable with prior years.

Authority: Bureau of Labor Statistics.

EMPLOYMENT AND PAYROLLS OF U. S. OIL PIPE-LINE COMPANIES ENGAGED IN INTERSTATE COMMERCE, 1921-1949²

(Index: 1929 = 100)

Year	Number of Companies Reporting	General Office Employees			All Other Employees			Total Employees			
		Employment		Annual Payrolls	Employment		Annual Payrolls	Employment		Annual Payrolls	
		Number	Index	Thousands of Dollars	Number	Index	Thousands of Dollars	Number	Index	Thousands of Dollars	
1949.....	72	2,968	122.9	\$14,100	238.8	24,418	116.0	\$102,757	254.7	\$116,857	252.7
1948.....	74	2,870	118.9	13,178	223.2	25,693	122.1	104,903	260.0	118,081	255.3
1947.....	71	2,740	113.5	11,438	193.7	24,345	115.7	89,690	222.3	101,128	218.7
1946.....	70	2,535	105.0	9,546	161.7	23,272	110.6	74,900	185.6	84,446	182.6
1945.....	74	2,330	96.5	8,308	140.7	21,422	101.8	67,940	168.4	76,248	164.9
1944.....	75	2,228	92.3	7,661	133.1	21,269	101.1	65,702	162.8	73,563	159.1
1943.....	74	2,153	89.2	7,098	120.2	21,289	101.2	57,563	142.7	64,682	139.8
1942.....	69	2,117	87.7	6,627	112.2	21,039	100.0	47,822	118.5	54,449	117.7
1941.....	71	2,423	100.4	6,624	112.2	19,929	94.7	41,392	102.6	48,016	103.8
1940.....	66	2,249	93.2	5,745	97.3	19,324	91.8	36,820	91.3	42,565	92.0
1939.....	63	2,259	93.6	5,656	95.8	18,482	87.8	35,319	87.5	40,975	88.6
1938.....	59	2,259	93.6	5,639	95.5	19,520	92.8	36,885	91.4	42,524	91.9
1937.....	58	2,177	90.2	5,400	91.4	22,018	104.6	39,655	98.3	45,055	97.4
1936.....	52	2,064	85.5	4,969	84.1	21,171	100.6	33,279	82.5	38,248	82.7
1935.....	53	2,049	84.9	4,896	82.9	19,466	92.5	29,775	73.8	34,670	75.0
1934.....	51	1,928	79.9	4,514	76.4	18,925	89.9	27,948	69.3	32,462	70.2
1933.....	49	1,765	73.1	3,974	67.3	17,119	81.4	23,906	59.3	27,880	60.3
1932.....	49	1,725	71.5	4,259	72.1	14,566	69.2	23,925	59.3	28,184	60.9
1931.....	51	1,890	78.3	4,539	76.3	17,964	85.4	31,908	79.1	36,447	78.8
1930.....	40	2,381	98.6	6,158	104.3	19,567	92.9	34,315	85.1	40,473	87.5
1929.....	37	2,414	100.0	5,905	100.0	21,043	100.0	40,346	100.0	46,251	100.0
1928.....	33	2,233	92.5	5,556	94.1	23,037	109.5	38,943	96.5	44,498	96.2
1927.....	33	2,096	86.8	5,030	85.2	26,315	125.1	40,158	99.5	45,187	97.7
1926.....	34	2,203	91.3	4,976	84.3	25,143	119.5	33,133	82.1	38,110	82.4
1925.....	37	1,852	76.7	4,609	78.1	18,841	89.5	30,017	74.4	34,626	74.9
1924.....	36	2,034	84.3	4,691	79.4	20,426	97.1	30,348	75.2	35,039	75.8
1923.....	35	2,142	88.7	4,577	77.5	21,913	104.1	30,825	76.4	35,401	76.5
1922.....	36	1,945	80.6	4,129	69.9	15,454	73.4	24,501	60.7	28,630	74.2
1921.....	33	.....	.....	.....	.....	.....	.....	.....	.....	24,894 ³	53.8
1920.....	33	.....	.....	.....	.....	.....	.....	.....	.....	24,894 ³	53.8

² Covers about 92 per cent of the industry branch.
³ No breakdown is available.

Authority: Interstate Commerce Commission.

NUMBER, OCCUPATION, AND COMPENSATION OF EMPLOYEES OF U. S. OIL PIPE-LINE COMPANIES REPORTING TO THE INTERSTATE COMMERCE COMMISSION, 1937-1948

(Wages Figures in Thousands of Dollars)

Occupation	1949			1948			1947			1946			1945			1944		
	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages
Executives, general officers, and assistants	421	\$4,406	409	\$4,166	387	\$3,649	384	\$3,361	359	\$2,989	345	\$2,823	351	\$2,989	345	\$2,823	351	\$2,989
General office clerks	1,831	6,869	1,722	6,187	1,673	5,469	1,605	4,592	1,532	4,102	1,474	3,866	1,381	4,102	1,474	3,866	1,381	4,102
Other general office employees	716	2,824	739	2,824	680	2,320	546	1,594	439	1,218	409	1,173	439	1,218	409	1,173	439	1,218
Field clerks	1,390	5,422	1,434	5,471	1,298	4,499	1,187	3,640	1,120	3,211	1,098	3,063	1,120	3,211	1,098	3,063	1,120	3,211
Field superintendents	448	3,402	439	3,214	453	2,990	441	2,615	408	2,295	407	2,218	408	2,295	407	2,218	408	2,295
Professional and sub-professional employees	769	3,629	655	3,045	535	2,265	461	1,778	351	1,336	335	1,269	351	1,336	335	1,269	351	1,336
Foremen and assistant foremen	1,708	8,523	1,717	8,431	1,584	7,107	1,481	5,841	1,381	5,303	1,359	5,115	1,381	5,303	1,359	5,115	1,381	5,303
Station engineers and pumpers	5,240	22,914	5,480	23,422	5,358	20,594	4,990	16,843	4,784	16,111	4,755	15,705	4,784	16,111	4,755	15,705	4,784	16,111
Station firemen and oilers	1,154	4,673	1,349	5,232	1,350	4,792	1,484	4,600	1,366	4,169	1,313	4,002	1,366	4,169	1,313	4,002	1,366	4,169
Gagers, deliverymen, and oil receivers	3,660	16,224	3,823	16,527	3,631	14,108	3,474	11,784	3,161	10,853	3,045	10,263	3,161	10,853	3,045	10,263	3,161	10,853
Telegraph operators	839	3,504	815	3,398	790	2,949	770	2,481	766	2,366	825	2,493	766	2,366	825	2,493	766	2,366
Telegraph and telephone repairmen	330	1,364	329	1,299	300	1,093	293	952	285	856	259	822	285	856	259	822	285	856
Line riders, walkers, or patrolmen	394	1,502	444	1,694	502	1,669	608	1,794	787	2,344	877	2,481	787	2,344	877	2,481	787	2,344
Pipe-line repairmen	3,492	12,722	3,339	12,008	3,074	9,821	3,060	8,421	2,530	6,640	2,428	6,289	2,530	6,640	2,428	6,289	2,530	6,640
Carpenters	121	500	152	620	126	478	117	385	117	385	105	341	117	385	105	341	117	385
Machinists	483	2,135	547	2,372	428	1,692	402	1,423	357	1,295	353	1,264	357	1,295	353	1,264	357	1,295
Electricians	132	619	130	606	131	536	93	359	87	323	84	306	87	323	84	306	87	323
Other mechanics (skilled trades)	765	3,449	799	3,593	699	2,857	635	2,198	541	1,924	494	1,670	541	1,924	494	1,670	541	1,924
Apprentices and helpers (skilled trades)	213	763	262	896	253	777	226	611	189	518	186	510	189	518	186	510	189	518
Truck drivers and teamsters	576	2,336	604	2,385	561	2,031	487	1,546	450	1,413	419	1,289	450	1,413	419	1,289	450	1,413
Laborers, roustabouts, etc.	2,130	6,838	2,787	8,613	2,711	7,501	2,476	5,901	2,151	4,993	2,290	5,041	2,151	4,993	2,290	5,041	2,151	4,993
All other employees	574	2,239	588	2,078	561	1,933	587	1,727	611	1,598	637	1,560	611	1,598	637	1,560	611	1,598
Total employees	27,386	116,857	28,563	118,081	27,085	101,128	25,807	84,446	23,752	76,248	23,497	73,563	23,752	76,248	23,497	73,563	23,497	73,563

NUMBER, OCCUPATION, AND COMPENSATION OF EMPLOYEES OF U. S. OIL PIPE-LINE COMPANIES REPORTING TO THE INTERSTATE COMMERCE COMMISSION, 1937-1948—Continued

(Wages Figures in Thousands of Dollars)

Occupation	1943			1942			1941			1940			1939			1938			1937		
	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees	Total Wages	Average Number of Employees
Executives, general officers, and assistants.....	340	\$2,711	310	\$2,528	353	\$2,442	367	\$2,233	342	\$2,152	342	\$2,174	339	\$2,121	339	\$2,174	342	\$2,152	342	\$2,174	339
General office clerks.....	1,424	3,390	1,416	3,164	1,670	3,392	1,501	2,750	1,516	2,756	1,463	2,632	1,417	2,512	1,417	2,632	1,463	2,756	1,463	2,632	1,417
Other general office employees.....	339	987	391	2,195	380	2,900	381	761	401	748	454	833	421	767	421	833	454	748	454	833	421
Field clerks.....	1,084	2,709	944	2,131	843	1,811	775	1,555	691	1,385	742	1,480	757	1,481	757	1,480	742	1,385	742	1,480	757
Field superintendents.....	398	1,983	376	1,730	363	1,552	340	1,407	325	1,356	359	1,478	340	1,385	340	1,478	359	1,356	359	1,478	340
Professional and sub-professional employees.....	342	1,124	318	970	324	882	321	787	327	775	312	735	283	660	283	735	312	775	312	735	283
Foremen and assistant foremen.....	1,265	4,269	1,238	3,505	1,216	3,202	1,156	2,846	981	2,436	920	2,546	1,110	2,702	1,110	2,546	920	2,436	920	2,546	1,110
Station engineers and pumpmen.....	4,807	13,909	4,571	11,029	4,260	9,359	4,103	8,282	4,181	8,480	4,315	8,585	4,399	8,781	4,399	8,585	4,315	8,480	4,315	8,585	4,399
Station firemen and oil re- ceivers.....	1,286	3,423	1,268	2,803	1,217	2,513	1,143	2,131	1,053	1,994	1,146	2,167	1,181	2,156	1,181	2,167	1,146	1,994	1,146	2,167	1,181
Gagers, deliverymen, and oil re- ceivers.....	2,940	8,628	2,862	7,185	2,698	6,275	2,575	5,542	2,414	5,206	2,339	5,068	2,338	4,988	2,338	5,068	2,339	5,206	2,339	5,068	2,338
Telegraph operators.....	893	2,397	880	2,081	854	1,798	834	1,786	999	1,920	1,086	2,033	1,086	2,030	1,086	2,033	999	1,920	1,086	2,033	1,086
Telegraph and telephone repair- men.....	285	740	290	669	307	652	315	601	291	554	275	532	349	620	349	532	275	554	275	532	349
Line riders, walkers, or patrol- men.....	2,171	5,987	2,099	4,284	2,196	3,787	2,308	3,583	2,333	3,553	2,495	3,749	2,711	3,725	2,711	3,749	2,495	3,553	2,495	3,749	2,711
Pipe-line repairmen.....	2,152	4,987	2,086	4,282	2,196	3,787	2,308	3,583	2,333	3,553	2,495	3,749	2,711	3,725	2,711	3,749	2,495	3,553	2,495	3,749	2,711
Carpenters.....	105	285	82	182	54	115	58	109	62	113	57	114	111	193	111	114	57	113	57	114	111
Machinists.....	321	1,028	286	764	257	623	229	528	243	560	251	579	261	592	261	579	251	560	251	579	261
Electricians.....	321	268	286	195	62	159	62	154	67	161	69	161	79	184	79	161	69	161	69	161	79
Other mechanics (skilled trades), Apprentices and helpers (skilled trades).....	428	1,318	386	1,008	368	870	331	704	284	594	302	651	448	913	448	651	302	594	302	651	448
Truck drivers and teamsters.....	50	131	38	80	39	68	69	120	81	143	119	167	129	200	129	167	119	143	119	167	129
Laborers, roustabouts, etc.....	3,034	5,275	3,034	4,850	2,906	4,084	2,758	3,560	2,309	2,979	2,664	3,356	2,309	2,979	2,309	3,356	2,664	2,979	2,664	3,356	2,309
All other employees.....	1,822	5,858	870	1,573	685	1,184	559	884	516	782	682	987	463	812	463	987	682	782	682	987	463
Total employees.....	23,442	64,662	23,156	54,449	22,352	48,016	21,573	42,565	20,741	40,975	21,779	42,524	24,195	44,739	24,195	42,524	21,779	40,975	21,779	42,524	24,195

Authority: Interstate Commerce Commission.

EMPLOYMENT IN THE CALIFORNIA PETROLEUM INDUSTRIES, 1943-1949

(Average Number of Workers in Year)

Classification	1949 ¹	1948	1947	1946	1945	1944	1943
Production							
Crude petroleum	18,452	18,774	17,917	18,152	15,816	15,091	14,807
Natural gas	581	608	574	634	586	498	547
Field service operations.....	6,967	7,332	6,494	5,640	5,577	4,966	3,031
Total production	26,000	26,714	24,985	24,426	21,979	20,555	18,385
Manufacturing							
Petroleum refining	27,499	28,234	29,540	29,006	28,139	25,320	20,361
Paving and roofing materials.....	1,351	1,358	2,736	2,683	3,282	3,496	3,397
Other petroleum products.....	245	222	225	27	79	94	192
Total manufacturing	29,095	29,814	32,501	31,716	31,500	28,910	23,950
Distribution							
Wholesale—bulk tank stations.....	13,427	13,899	13,528	12,667	10,517	10,192	10,979
Retail filling stations.....	25,276	24,904	25,204	23,154	9,229	9,245	12,078
Total distribution	38,703	38,803	38,732	35,821	19,746	19,437	23,057
Total all petroleum industry groups	93,798	95,331	96,218	91,963	73,225	68,902	65,392

¹ Preliminary.

Authority: California Department of Employment.

SUMMARY OF INJURIES IN THE U. S. PETROLEUM INDUSTRY

NUMBER OF EMPLOYEES OF COMPANIES REPORTING

Year	Production			Transportation				Natural Gasoline	Marketing			Miscellaneous	Total All Departments
	Exploration	Drilling	Production	Pipe Line		Marine			Wholesale	Retail	Not Separated		
				Oil	Gas	Ocean	Inland						
1949.....	9,541	9,417	65,101	31,005	10,607	9,574	2,180	14,789	77,181	11,813	38,310	46,554	478,583
1948.....	8,926	9,386	65,688	30,236	10,842	10,381	2,242	15,076	76,764	12,570	35,009	45,063	470,832
1947.....	6,411	9,869	61,926	28,646	8,799	8,605	1,672	14,842	74,098	13,199	38,492	41,530	452,387
1946.....	5,917	7,994	57,783	26,821	8,152	8,017	1,824	140,763	67,827	14,075	35,205	36,863	421,512
1945.....	5,126	7,428	51,360	23,128	7,175	8,374	1,224	126,365	57,669	2,700	35,953	32,608	368,133
1944.....	3,502	6,772	46,713	21,085	6,645	7,194	1,031	123,931	51,380	5,762	30,059	32,714	346,140
1943.....	2,478	5,221	46,221	19,355	9,307	8,253	824	112,793	52,589	7,921	28,683	34,755	335,570
1942.....	2,621	5,762	47,953	20,448	8,531	8,314	838	107,215	54,244	10,474	34,033	27,321	335,328
1941.....	2,488	8,277	47,933	20,201	7,981	8,280	669	100,131	50,712	13,091	42,582	23,684	333,122
1940.....	2,291	8,476	50,197	19,676	7,824	8,290	688	96,755	52,697	10,809	38,657	22,822	327,112
1939.....	1,294	8,136	53,515	19,237	7,709	8,738	513	92,427	42,227	8,477	44,750	21,908	316,731
1938.....	8,616	56,701	56,701	20,130	8,328	8,297	593	91,981	33,917	7,237	53,139	21,388	316,987
1937.....	8,685	57,342	57,342	21,934	7,614	7,946	499	95,976	33,291	6,539	54,212	23,265	324,956
1936.....	8,888	54,115	54,115	26,965		9,770		91,312	90,340			17,281	304,147
1935.....	6,779	52,527	52,527	22,932		9,390		86,967	102,187			18,277	303,982
1934.....	4,084	50,256	50,256	22,485		8,501		76,735	102,160			16,438	285,294
1933.....		40,929	40,929	18,101		7,848		74,821	96,940			29,407	274,294
1932.....		36,772	36,772	14,097		6,337		58,431	92,471			14,242	226,304
1931.....		40,678	40,678	16,354		7,791		70,358	96,191			12,182	227,360
1930.....		47,741	47,741	17,365		5,301		75,815	68,839			8,749	230,471
1929.....		47,100	47,100	20,225		4,253		79,896	60,183			9,160	226,280
1928.....		27,023	27,023	10,225		2,297		27,528	13,996			15,864	99,477
1927.....		14,474	14,474	9,025		3,667		34,761	15,909			7,278	86,572

SUMMARY OF INJURIES IN THE U. S. PETROLEUM INDUSTRY—Continued

HOURS WORKED FOR REPORTING COMPANIES (Thousands)

Year	Production			Transportation				Marketing				Total All Depart- ments
	Ex- plora- tion	Drill- ing	Pro- duc- tion	Pipe Line		Marine		Natural Gas-o- line	Whole- sale	Re- tail	Not Sepa- rated	
				Oil	Gas	Ocean	Inland					
1949.....	20,889	19,489	138,557	65,046	22,278	26,370	3,418	309,722	165,286	28,360	80,799	95,928
1948.....	19,559	18,290	136,500	63,433	22,315	30,735	5,761	316,238	165,837	29,785	74,699	97,978
1947.....	14,407	18,554	129,159	59,745	18,650	26,472	4,869	308,289	159,365	31,422	81,494	86,950
1946.....	12,727	17,313	122,288	56,865	17,610	24,756	4,883	294,620	148,017	32,377	75,184	75,448
1945.....	12,148	18,775	120,654	54,645	16,168	26,370	3,418	300,325	135,323	6,887	73,422	73,703
1944.....	8,426	15,673	110,705	50,751	14,642	21,607	2,931	298,064	123,139	14,322	67,614	74,819
1943.....	5,431	12,650	103,084	43,890	19,873	25,130	2,482	257,316	122,468	19,194	62,561	76,721
1942.....	5,517	12,187	98,249	41,944	16,801	24,842	2,650	217,776	121,033	25,293	73,351	54,813
1941.....	5,123	17,253	95,543	40,093	15,315	24,939	2,171	198,417	114,150	31,521	87,875	48,084
1940.....	4,854	16,511	99,418	39,485	16,404	24,654	1,916	186,924	13,898	25,698	81,254	45,482
1939.....	2,768	15,439	107,426	38,604	15,090	24,475	1,354	181,040	90,979	20,443	97,651	43,816
1938.....	17,047	115,520	40,913	40,913	17,410	23,867	1,562	178,188	13,633	17,151	117,319	43,847
1937.....	16,006	116,537	43,641	43,641	17,243	23,399	1,526	184,685	15,410	15,647	121,569	47,390
1936.....	16,638	101,303	38,739	38,739	11,738	24,387	1,526	170,936	10,252	31,404	81,583	35,944
1935.....	12,690	98,331	35,452	35,452	7,476	23,438	1,526	162,801	9,197	109,422	69,582	38,016
1934.....	7,647	94,080	33,983	33,983	8,052	21,253	1,526	143,846	8,733	96,206	56,149	33,066
1933.....	102,323	33,884	33,884	33,884	33,884	19,618	140,064	11,696	241,962	241,962	582,155	32,606
1932.....	91,930	35,241	35,241	35,241	35,241	15,843	146,082	9,885	231,178	231,178	565,760	35,598
1931.....	101,694	40,884	40,884	40,884	40,884	19,477	175,894	9,514	190,477	190,477	568,401	30,457
1930.....	119,353	43,413	43,413	43,413	43,413	13,252	189,537	16,653	172,097	172,097	576,677	22,372
1929.....	117,751	50,564	50,564	50,564	50,564	10,634	199,471	13,658	150,458	150,458	585,702	23,166
1928.....	67,558	25,637	25,637	25,637	25,637	6,820	68,820	6,361	34,990	34,990	248,693	13,192
1927.....	43,685	22,563	22,563	22,563	22,563	9,667	86,903	8,146	39,772	39,772	221,430	10,892

SUMMARY OF INJURIES IN THE U. S. PETROLEUM INDUSTRY—Continued

INJURY-FREQUENCY RATE OF REPORTING COMPANIES

Year	Production			Transportation				Marketing			Total All Departments	
	Ex-plora-tion	Drill-ing	Pro-duc-tion	Pipe Line		Marine		Natural Gaso-line	Whole-sale	Re-tail		Not Sepa-rated
				Oil	Gas	Ocean	Inland					
1949.....	10.78	42.68	13.39	11.01	14.27	19.11	13.11	7.46	7.83	16.75	13.34	6.82
1948.....	12.53	56.45	16.17	12.94	15.95	21.21	15.62	8.68	9.03	16.36	13.88	8.43
1947.....	17.28	54.97	17.34	13.36	18.82	21.57	17.66	9.16	11.84	17.66	16.90	9.33
1946.....	14.77	59.09	17.43	13.96	20.50	17.37	18.15	10.53	9.53	18.50	16.71	8.39
1945.....	17.45	74.73	18.68	13.56	13.79	20.82	12.87	10.98	9.42	18.00	17.41	9.42
1944.....	16.91	65.84	18.91	13.12	12.16	13.88	11.26	11.22	8.25	22.76	15.77	8.86
1943.....	16.20	53.99	18.22	11.46	11.17	14.29	12.89	10.75	8.65	24.38	16.90	7.17
1942.....	17.94	46.28	15.28	9.23	10.66	16.79	13.96	8.77	9.03	16.76	14.41	11.72
1941.....	9.76	43.70	15.41	9.73	9.92	19.04	7.83	8.45	7.94	15.99	14.11	7.92
1940.....	18.95	40.03	14.87	10.08	13.59	15.98	12.00	8.25	8.07	16.81	13.49	8.24
1939.....	22.39	45.92	14.89	8.99	15.97	13.44	8.12	8.56	9.50	16.44	10.23	13.19
1938.....	49.51	17.93	10.63	15.40	15.05	18.06	17.28	8.78	9.81	13.29	10.23	6.90
1937.....	51.70	23.33	15.40	20.24	20.24	17.44	9.17	8.91	12.09	14.12	10.87	9.71
1936.....	56.74	24.90	16.21	22.15	22.15	18.45	18.45	9.50	15.11	12.45	15.31	6.87
1935.....	55.79	23.93	13.85	27.42	27.42	17.02	17.02	9.48	8.83	9.53	16.81	8.92
1934.....	69.04	25.74	15.86	24.96	24.96	14.73	14.73	10.63	10.67	10.09	11.93	7.17
1933.....	24.15	20.19	16.62	20.19	20.19	16.62	16.62	11.87	12.31	8.96	8.96	6.38
1932.....	25.32	17.31	14.96	27.31	27.31	14.96	14.96	9.01	15.38	8.80	8.80	6.64
1931.....	27.32	27.32	25.97	27.32	27.32	18.23	18.23	11.51	10.09	8.74	8.74	4.63
1930.....	31.79	26.40	21.20	26.40	26.40	21.20	21.20	14.06	25.76	10.41	10.41	13.54
1929.....	47.68	42.50	21.25	42.50	42.50	21.25	21.25	21.06	30.39	12.42	12.42	29.45
1928.....	41.58	41.58	17.59	41.58	41.58	17.59	17.59	16.75	33.96	18.06	18.06	13.95
1927.....	59.59	64.22	19.65	64.22	64.22	19.65	19.65	16.49	39.65	15.44	15.44	21.57

SUMMARY² OF INJURIES IN THE U. S. PETROLEUM INDUSTRY—Continued

INJURY-SEVERITY RATE⁴

Year	Production			Transportation				Marketing				Total All Departments	
	Ex-plora-tion	Drill-ing	Pro-duc-tion	Pipe Line		Marine		Natural Gaso-line	Re-fining	Whole-sale	Re-tail		Not Sepa-rated
				Oil	Gas	Ocean	Inland						
1949.....	2.04	4.22	1.20	0.98	0.67	0.87	3.76	1.22	0.39	0.66	0.60	0.53	
1948.....	1.42	4.24	1.44	1.27	1.12	1.52	2.13	1.12	0.73	0.68	0.83	0.87	
1947.....	0.32	6.40	2.08	1.05	2.24	1.61	3.56	1.22	0.86	0.76	0.92	1.26	
1946.....	1.60	4.51	1.63	1.39	5.74	2.44	5.60	1.62	0.81	0.49	1.24	0.48	
1945.....	3.30	9.51	1.28	1.43	2.40	2.87	3.84	1.20	0.78	0.31	0.65	0.76	
1944.....	0.32	6.94	2.07	0.92	0.93	1.41	4.74	1.75	0.57	0.40	0.77	1.46	
1943.....	1.45	5.06	1.66	1.14	1.23	5.20	12.47	1.35	0.60	0.47	0.62	0.44	
1942.....	2.41	2.84	1.85	1.31	2.43	2.02	8.46	1.21	0.85	0.21	1.12	0.74	
1941.....	0.70	6.96	1.80	1.36	0.72	2.29	3.71	1.82	0.70	0.47	0.65	0.59	
1940.....	0.93	4.35	2.28	2.74	2.60	1.15	0.34	1.43	0.91	0.32	0.75	0.73	
1939.....	3.77	6.62	1.95	1.05	1.90	1.56	0.37	1.39	3.25	0.69	0.88	0.93	
1938.....	4.44	2.31	2.31	1.44	3.06	2.31	9.97	1.46	5.61	0.64	0.21	0.85	
1937.....	6.75	2.79	2.79	2.26	1.69	1.97	0.24	1.35	2.35	0.78	0.60	1.01	
1936.....	7.59	3.26	3.26	1.72	41.8	3.73	3.73	1.61	1.34	1.26	0.67	0.83	
1935.....	8.71	2.39	2.39	1.70	41.5	3.86	3.86	1.38	1.31	0.77	0.33	1.24	
1934.....	6.56	3.32	3.32	2.27	2.35	2.26	2.26	1.60	3.50	1.06	0.77	0.76	
1933.....	4.35	2.02	2.02	2.55	2.02	2.32	2.32	2.10	5.37	0.82	0.82	0.31	
1932.....	3.73	2.23	2.23	3.57	2.23	2.56	2.23	2.30	3.31	0.96	0.96	0.72	
1931.....	4.02	3.01	3.01	5.96	3.01	4.66	4.66	2.14	2.94	0.69	0.69	0.41	
1930.....	3.49	2.78	2.78	5.96	2.78	2.23	2.23	2.93	3.40	0.99	0.99	0.76	
1929.....	4.59	2.55	2.55	3.80	2.55	2.46	2.46	2.62	1.25	0.74	0.74	2.76	
1928.....	3.35	3.57	3.57	3.80	3.57	3.48	3.80	2.57	1.35	1.35	1.00	2.69	
1927.....	3.62	5.96	5.96	3.53	5.96	3.53	3.53	2.30	3.24	0.58	0.58	0.88	
1926.....	3.62	5.96	5.96	3.53	5.96	3.53	3.53	2.30	3.24	0.58	0.58	0.88	

² From reports of companies constituting an undetermined portion of the petroleum industry, but believed to be representative of the industry.

³ Frequency rate is the number of disabling injuries per 1,000,000 hours worked.

⁴ Severity rate is the number of days lost per 1,000 hours worked.

Authority: American Petroleum Institute; National Safety Council.

NUMBER OF PROPERTIES AND FIRES REPORTED BY U. S. PETROLEUM INDUSTRY FOR 1949 ²

Class of Property	Total Number of Properties Reported to Have Been Owned or Operated	Number of Fires Reported				Frequency Fires Per 100 Properties
		Originated on Oil-Company Properties and:		Originated Outside but Spread to Oil- Company Property	Total Number of Fires	
		Confined to Property	Spread to Other Property			
Oil leases	24,356	191	2	1	194	0.796
Tank farms	817	17	..	..	17	2.081
Pipe-line stations	2,184	40	..	..	40	1.831
Natural-gasoline plants ..	294	33	1	1	35	11.90
Refineries	166	302	..	..	302	181.928
Bulk terminals (shore)....	790	20	3	1	24	3.038
Bulk plants (inland).....	16,387	80	5	20	105	0.641
Service stations	60,439	251	5	11	267	0.442
Tank trucks	18,127	39	1	1	41	0.226
Tankers and barges.....	1,103	7	..	..	7	0.635
Unclassified properties ...	33,290	77	2	18	97	0.291
Total all properties....	157,953	1,057	19	53	1,129	0.715

² Data are from reports of companies which constitute an indeterminate portion of the petroleum industry, but are believed to be representative of the industry.

Authority: American Petroleum Institute.

NUMBER OF REPORTED PROPERTIES, INSURABLE VALUES, FIRE LOSSES, AND FIRE-LOSS RATIOS, BY CLASSES OF PROPERTY IN THE PETROLEUM INDUSTRY FOR 1949¹

Class of Property	Total Number of Properties Reported to Have Been Owned or Operated	Structures, Equipment, and Contents (Other than Oil Stocks)				Oil Stocks				Total			
		Insurable Value	Fire Loss	Fire-Loss Ratio		Insurable Value	Fire Loss	Fire-Loss Ratio		Insurable Value	Fire Loss	Fire-Loss Ratio	
Oil leases	24,356	\$460,540,579	\$543,295	0.116		\$19,142,487	\$7,072	0.037		\$485,683,066	\$550,367	0.113	
Tank farms	817	106,444,759	97,822	0.093		266,485,264	249,767	0.094		371,930,023	347,589	0.093	
Pipe-line stations	2,184	227,564,730	258,700	0.114		71,284,079	15,303	0.021		298,848,809	274,003	0.092	
Natural-gasoline plants	284	187,460,684	260,140	0.139		1,548,919	1,000	0.064		189,009,603	261,140	0.138	
Refineries	166	2,092,405,674	3,013,680	0.144		750,466,879	281,823	0.038		2,842,872,553	3,295,503	0.116	
Bulk terminals (shore)	790	172,358,011	155,030	0.090		237,327,405	5,848	0.002		409,685,416	160,878	0.039	
Bulk plants (inland)	16,387	244,820,918	198,514	0.081		258,434,683	53,688	0.021		502,955,711	252,202	0.050	
Service stations	69,439	30,881,243	16,978	0.055		10,987,706	.....	0.000		321,836,929	196,650	0.061	
Tank trucks	19,137	71,881,729	51,748	0.072		.....	.....	0.000		71,381,179	51,748	0.072	
Tankers and barges	1,103	724,987,390	21,260	0.003		.....	.....	0.000		724,987,390	21,260	0.003	
Unclassified properties	33,290	353,394,939	201,643	0.057		30,010,371	.....	0.000		383,405,310	201,643	0.053	
Total all properties	157,953	\$4,956,909,986	\$4,998,482	\$0.101		\$1,645,688,003	\$614,501	\$0.037		\$6,602,597,989	\$5,612,983	\$0.085	

¹ Data are from reports of companies which constitute an indeterminate portion of the petroleum industry, but are believed to be representative of the industry.
² Fire-loss ratio is actual fire loss per \$100 of insurable value.

Authority: American Petroleum Institute

FIRE LOSSES REPORTED BY U. S. PETROLEUM INDUSTRY,² BY YEARS, 1934-1949

OIL COMPANIES			
Year	Insurable Value	Fire Loss	Fire-Loss Ratio ³
1949.....	\$6,602,597,989	\$5,612,983	\$0.085
1948.....	5,916,051,341	4,252,312	0.072
1947.....	4,441,879,271	11,265,170	0.254
1946.....	3,601,103,401	4,871,436	0.135
1945.....	3,159,144,212	3,114,164	0.099
1944.....	2,813,061,988	2,882,668	0.102
1943.....	2,565,903,922	2,964,026	0.116
1942.....	2,257,736,089	1,390,346	0.062
1941.....	2,257,991,733	1,880,146	0.083
1940.....	2,038,194,932	889,494	0.044
1939.....	1,362,712,930	617,272	0.049
1938.....	1,180,992,724	2,203,925	0.187
1937.....	1,253,423,785	742,007	0.059
1936.....	1,095,236,504	669,811	0.061
1935.....	1,135,229,291	854,516	0.075
1934.....	1,216,336,997	951,215	0.078
Average ratio			0.097

² Data are from reports of companies which constitute an indeterminate portion of the petroleum industry, but are believed to be representative of the petroleum industry.

³ Fire-loss ratio is actual fire loss per \$100 of insurable value.

Authority American Petroleum Institute.

U. S. PETROLEUM-INDUSTRY² FIRE-LOSS RATIOS,³ BY CLASSES OF PROPERTY AND BY YEARS, 1930-1949

Class of Property ⁴	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
Oil leases	\$0.113	\$0.099	\$0.147	\$0.141	\$0.143	\$0.138	\$0.127	\$0.158	\$0.223	\$0.130	\$0.068
Tank farms	0.093	0.026	0.092	0.085	0.003	0.116	0.122	0.078	0.101	0.042	0.151
Pipe-line stations	0.092	0.028	0.027	0.056	0.071	0.092	0.018	0.151	0.110	0.021	0.019
Natural-gasoline plants ...	0.138	0.026	0.021	0.046	0.012	0.001	0.237	0.041	0.197	0.017	0.062
Refineries	0.116	0.082	0.242	0.205	0.143	0.139	0.167	0.046	0.101	0.055	0.052
Bulk terminals (shore)....	0.039	0.062	0.364	0.032	0.013	0.110	0.013	0.146	0.005	0.007	0.004
Bulk terminals (inland)...	0.050	0.098	0.048	0.053	0.071	0.069	0.049	0.044	0.071	0.027	0.027
Service stations	0.061	0.061	0.100	0.115	0.072	0.043	0.049	0.022	0.026	0.033	0.034
Tank trucks	0.072	0.218	0.472	0.189	0.157	0.483	0.244	0.135	0.273	0.148	0.208
Tankers and barges.....	0.003	0.008	0.720	0.078	0.059	0.047	0.076	0.029	....	0.008	0.001
Other properties	0.053	0.133	0.098	0.122	0.077	0.072	0.056	0.017	0.025	0.013	0.016
Total all properties.....	\$0.085	\$0.072	\$0.254	\$0.135	\$0.099	\$0.102	\$0.116	\$0.062	\$0.083	\$0.044	\$0.049

Class of Property ⁴	1938	1937	1936	1935	1934	1934 ⁵	1933	1932	1931	1930
Oil leases	\$0.086	\$0.060	\$0.142	\$0.138	\$0.109	\$0.110	\$0.111	\$0.183	\$0.201	\$0.242
Tank farms	0.065	0.044	0.082	0.018	0.096	0.066	0.019	0.061	0.050	0.044
Pipe-line stations	0.070	0.123	0.104	0.081	0.027	0.035	0.027	0.076	0.025	0.021
Natural-gasoline plants ...	....	0.033	0.010	0.076	0.071	0.064	0.255	0.007	0.036	0.052
Refineries	0.289	0.072	0.058	0.103	0.104	0.136	0.140	0.164	0.128	0.189
Bulk terminals (shore)....	0.006	0.022	0.002	0.004	0.086	0.117	....	0.212	0.002	0.003
Bulk terminals (inland)...	0.093	0.064	0.031	0.083	0.059	0.065	0.049	0.039	0.103	0.125
Service stations	0.031	0.034	0.039	0.028	0.033	0.034	0.042	0.043	0.038	0.075
Tank trucks	0.088	0.021	0.412	0.072	0.123	0.123	0.103	0.093	0.064	0.148
Tankers and barges.....	0.518	0.020	....	0.016	0.011	0.011	0.781	0.299	0.102	0.219
Other properties	0.034	0.036	0.025	0.048	0.020	0.036	0.052	0.027	0.029	0.038
Total all properties.....	\$0.187	\$0.059	\$0.061	\$0.075	\$0.078	\$0.089	\$0.169	\$0.139	\$0.101	\$0.149

² Data are from reports of companies which constitute an indeterminate portion of the petroleum industry, but are believed representative of the industry.

³ Fire-loss ratios are reported fire losses per \$100 of insurable value of property covered.

⁴ Oil stocks are included for 1934 and subsequent years.

⁵ Old basis: oil stocks not included for 1934 and prior years.

Authority: American Petroleum Institute.

FIRE-LOSS CHARACTERISTICS OF U. S. PETROLEUM-INDUSTRY PROPERTIES ¹

Insurable Value:	An Oil Lease	A Tank Farm	A Pipe-Line Station	A Natural-Gasoline Plant	A Refinery	A Shore Bulk Plant	An Inland Bulk Plant	A Service Station	A Tank Truck	A Tank Vessel	An Un-classified Property
Plant and equipment.....	\$10,197	\$ 90,909	\$ 73,185	\$216,878	\$5,758,394	\$ 88,321	\$ 8,858	\$3,504	\$2,136	\$413,778	\$7,582
Oil stocks	678	217,963	27,129	3,345	2,341,008	114,997	6,913	92	....	....	844
Total	\$10,875	\$308,872	\$100,314	\$220,223	\$8,099,402	\$203,318	\$15,771	\$3,596	\$2,136	\$413,778	\$8,426

Fire-Frequency Rates: ²

All classes of fires.....	0.87
Spread into property.....	0.01
Spread out of property.....	....

Average Fire Losses:

Per Fire—	
Plant and equipment.....	\$1,593
Oil stocks	24
Total	\$1,617
Per Year Per Plant—	
Plant and equipment.....	\$13.84
Oil stocks .....	.21
Total	\$14.05
\$/100 Per Year—	
Plant and equipment.....	0.136
Oil stocks	0.031
Total fire-loss ratio.....	0.129

¹ Averages based on totals for 15-year period, 1934-1948.

² Frequency rates are based upon number of fires per year per 100 properties.

Authority: American Petroleum Institute

Capital Expenditures Exceed \$10 Billion in 5 Postwar Years **SUMMARY OF CAPITAL EXPENDITURES BY THE U. S. OIL INDUSTRY**

(Millions of Dollars)

	Total Company Estimates 1950	Actual 1949	Actual 1946- 1949, Inclusive	Yearly Average, 1946- 1949	Actual 1936- 1940, Inclusive	Yearly Average, 1936- 1940
Production:						
Crude oil—leases, wells, equipment.....	1,198	1,270	4,758	1,190	2,135	427
Natural gas—leases, wells, equipment.....	57	65	244	61	110	22
Natural-gasoline plants	74	104	264	66	78	15
All other, including crude and gas marketing.	31	18	98	24	53	11
Total production	1,360	1,457	5,364	1,341	2,376	475
Transportation:						
Pipe lines—Crude-oil lines.....	120	143	547	137	180	36
Products lines	74	31	166	41	49	10
Natural-gas lines	91	49	166	41	41	8
Marine	22	81	410	103	204	41
Tank cars	7	18	49	12	20	4
All other	10	10	59	15	12	2
Total transportation	324	332	1,397	349	506	101
Refining	394	508	1,827	457	617	124
Marketing	281	233	987	247	502	100
Other	41	62	196	49	82	17
Grand total	2,400	2,592	9,771	2,443	4,083	817
Facilities outside of the U. S. included in grand total	228	368	1,389	347	500	100
Total for domestic facilities.....	2,172	2,224	8,382	2,096	3,583	717

Authority: American Petroleum Institute.

CAPITALIZATION OF U. S. PETROLEUM-INDUSTRY PIPE-LINE COMPANIES, BY YEARS, 1921-1949

(Dollar Figures in Millions)

December 31	Number of Reporting Companies	Total Capitali- zation	Capital Stock ²	Capital Stock as Per Cent of Total Capitali- zation	Funded Debt Unmatured	Funded Debt Un- matured as Per Cent of Total Capitali- zation
1949.....	60	\$548.6	\$235.7	43.0	\$312.9	57.0
1948.....	59	439.2	235.4	53.6	203.8	46.4
1947.....	58	339.3	233.8	68.9	105.5	31.1
1946.....	58	297.8	240.1	80.6	57.7	19.4
1945.....	59	301.2	253.8	84.3	47.4	15.7
1944.....	57	282.6	243.4	86.1	39.2	13.9
1943.....	57	297.1	250.0	84.1	47.1	15.9
1942.....	54	301.2	255.1	84.7	46.1	15.3
1941.....	58	292.5	254.6	87.0	37.9	13.0
1940.....	55	294.7	264.2	89.6	30.5	10.4
1939.....	57	310.0	273.3	88.2	36.7	11.8
1938.....	55	294.6	270.4	91.8	24.2	8.2
1937.....	55	322.8	290.9	90.1	31.9	9.9
1936.....	49	308.5	278.9	90.4	29.6	9.6
1935.....	50	309.1	260.2	84.2	48.9	15.8
1935.....	50	309.1	260.2	84.2	48.9	15.8
1934.....	51	347.8	295.1	84.8	52.7	15.2
1933.....	48	359.8	320.7	89.1	39.1	10.9
1932.....	46	368.5	315.9	85.7	52.6	14.3
1931.....	49	473.5	418.6	88.4	54.9	11.6
1930.....	40	458.1	415.2	90.6	42.9	9.4
1929.....	37	428.4	385.1	89.9	43.3	10.1
1928.....	33	388.5	341.9	88.0	46.6	12.0
1927.....	32	387.9	340.2	87.7	47.7	12.3
1926.....	33	342.4	322.4	94.2	20.0	5.8
1925.....	35	346.0	321.5	92.9	24.5	7.1
1924.....	36	496.2	462.2	93.1	34.0	6.9
1923.....	34	497.1	462.4	93.0	34.7	7.0
1922.....	36	471.7	437.1	92.7	34.6	7.3
1921.....	33	337.1	324.1	96.1	13.0	3.9

² Includes book liability for stock without par value.

Authority: Interstate Commerce Commission.

SELECTED BALANCE-SHEET ITEMS OF U. S. OIL PIPE-LINE COMPANIES,¹ BY YEARS, 1921-1949

December 31	Number of Reporting Companies	Cash	Materials and Supplies	Total Current Assets	Total Current Liabilities	Total Corporate Surplus
1949.....	72	\$45,381,191	\$38,109,334	\$175,458,317	\$ 97,377,436	\$201,569,557
1948.....	74	45,159,043	41,382,948	168,020,450	110,130,735	180,055,599
1947.....	71	44,193,933	32,509,860	126,621,264	105,067,279	147,836,483
1946.....	70	39,033,755	23,370,998	103,818,665	82,789,274	129,195,116
1945.....	74	40,612,464	21,004,827	115,369,824	77,642,008	120,251,448
1944.....	75	36,594,207	18,912,057	104,149,919	90,962,445	93,016,189
1943.....	74	45,126,391	17,549,499	107,501,243	81,519,425	71,173,735
1942.....	69	28,321,596	15,217,177	81,259,027	74,955,503	62,119,006
1941.....	71	13,095,968	13,684,460	56,287,083	90,569,757	30,393,926 ⁷
1940.....	66	11,461,558	8,876,505	47,162,719	52,058,833	50,550,318 ⁸
1939.....	63	8,908,137	8,633,879	32,309,292	48,484,709	40,372,277 ⁵
1938.....	58	7,674,170	8,764,846	34,804,701	45,159,081	40,441,987 ⁴
1937.....	58	7,793,082	10,063,181	43,841,818	51,150,779	41,557,598 ³
1936.....	52	8,095,211	9,297,514	41,987,199	43,349,900	38,267,361 ⁸
1935.....	53	8,463,211	8,631,324	46,948,896	40,230,404	59,003,406
1934.....	51	10,058,345	9,804,170	71,987,420	11,123,033	101,302,059
1933.....	48	5,434,110	9,714,514	65,598,699	19,662,830	92,427,575
1932.....	46	8,714,686	10,515,382	76,930,477	21,412,129	88,660,550
1931.....	49	8,787,331	13,209,868	132,065,805	36,867,841	171,173,654
1930.....	40	7,312,272	13,550,217	133,428,289	36,088,571	166,910,910
1929.....	37	8,602,090	14,210,293	128,865,181	25,342,454	185,512,278
1928.....	33	10,084,127	13,898,859	130,269,762	30,218,392	185,627,912
1927.....	32	8,300,859	14,400,937	125,076,560	27,391,790	149,867,259
1926.....	33	6,553,049	14,187,705	92,670,345	21,872,377	129,598,619
1925.....	35	13,448,749	13,004,677	88,274,640	13,126,522	102,190,113
1924.....	36	10,264,714	49,546,171	158,603,998	54,083,933	106,903,627
1923.....	34	13,363,364	43,770,337	144,264,050	76,642,175	77,793,806
1922.....	36	32,747,205	38,656,096	129,599,717	35,815,106	152,237,049
1921.....	33	11,794,886	44,479,362	127,278,811	60,783,876	147,648,651

¹ All pipe-line companies reporting operations to the Interstate Commerce Commission.

² Excludes Gulf Refining Co., Sinclair Refining Co., and Standard Oil Co. of Louisiana.

⁴ Excludes Republic Production Co., owner and operator of the Bancroft-Bunker Hill pipe line, in addition to the companies named in footnote 3.

⁵ Excludes Socony-Vacuum Oil Co., Inc., and Utah Oil Refining Co., in addition to the companies named in footnotes 3 and 4.

⁶ Excludes Arkansas Fuel Oil Co., Bell Oil and Gas Co., National Refining Co., and Phillips Petroleum Co., and the Midland and the White Eagle pipe-line divisions of Socony-Vacuum Oil Co., Inc., in addition to the companies named in footnotes 3, 4, and 5.

⁷ Excludes Continental Oil Co. and Valvoline Oil Co., in addition to the companies named in footnotes 3, 4, 5, and 6.

Authority: Interstate Commerce Commission.

**OPERATING REVENUES, EXPENSES, AND INCOME; AND NET
INCOME OF U. S. OIL PIPE-LINE COMPANIES,
BY YEARS, 1920-1949 ²**

Year	Number of Companies at End of Year	Operating Revenues	Operating Expenses	Ratio of Operating Expenses to Operating Revenues (Per Cent)	Operating Income	Net Income ³
1949.....	72	\$376,452,116	\$249,368,200	66.24	\$63,282,239	\$57,743,412
1948.....	74	377,034,023	252,970,772	67.09	58,805,645	56,679,058
1947.....	71	325,223,884	214,681,999	66.01	54,415,148	53,144,549
1946.....	70	293,722,598	183,869,101	62.60	56,485,200	56,094,398
1945.....	74	304,268,132	191,667,755	62.99	67,127,406	65,940,663
1944.....	75	310,194,453	172,367,510	55.57	67,839,716	65,715,492
1943.....	74	276,652,251	148,447,937	53.66	62,620,177	61,302,265
1942.....	69	245,061,060	123,506,969	50.40	58,332,218	56,845,245
1941.....	74	251,684,772	110,448,441	43.88	81,603,595	79,467,898
1940.....	71	225,760,482	101,918,970	45.14	82,558,133	79,857,099
1939.....	64	212,466,138	97,129,866	45.72	83,400,631	80,823,074
1938.....	59	228,215,055	98,761,123	43.28	95,126,526	92,724,081
1937.....	59	248,198,239	99,641,037	40.15	109,994,478	102,719,513
1936.....	60	219,057,109	92,898,880	42.41	94,490,793	91,741,892
1935.....	53	197,368,209	89,363,921	45.28	79,585,624	78,249,400
1934.....	53	199,165,597	86,884,162	43.62	84,864,828	84,143,318
1933.....	49	217,192,354	85,373,835	39.31	107,810,584	105,942,558
1932.....	49	211,788,647	86,003,032	40.61	110,019,059	112,362,172
1931.....	51	222,944,026	96,236,854	43.17	116,767,149	120,738,172
1930.....	40	237,910,083	99,363,742	41.77	121,815,688	123,741,282
1929.....	37	251,410,920	102,101,243	40.61	135,420,772	142,216,242
1928.....	33	222,073,003	96,477,518	43.44	112,221,309	117,206,029
1927.....	33	195,561,065	90,287,172	46.17	92,718,740	93,238,736
1926.....	34	173,074,958	83,098,075	48.01	76,523,058	80,400,863
1925.....	37	164,644,740	80,231,636	48.73	70,965,545	88,495,026
1924.....	36	146,921,073	74,655,544	50.81	63,176,232	72,233,975
1923.....	35	131,212,582	69,234,319	52.77	52,678,246	62,639,224
1922.....	36	128,058,803	64,539,459	50.40	52,719,665	58,567,686
1921.....	33	115,949,610	62,369,908	53.79	25,529,962	34,400,283
1920.....	32	103,600,298	66,452,089	64.14	26,025,950	53,949,494

² Pipe-line companies reporting operations to the Interstate Commerce Commission.

³ Total income less fixed and contingent charges.

Authority: Interstate Commerce Commission.

INVESTMENT AND DEPRECIATION CHARGES OF U. S. OIL PIPE-LINE COMPANIES,² BY YEARS, 1921-1949

(Dollar Figures in Millions)

Year	Number of Reporting Companies	Investment in Carrier Property	Depreciation Charged to Operating Expenses			Accrued- Deprecia- tion ³	Ratio of Accrued Deprecia- tion to Invest- ment (Per Cent)
			Gathering Lines	Trunk Lines	Total		
1949.....	72	\$1,497.6	\$9.3	\$42.8	\$51.1	\$696.7	46.52
1948.....	74	1,381.4	8.6	37.9	46.5	673.6	48.76
1947.....	71	1,225.2	8.0	34.5	42.5	647.1	52.82
1946.....	70	1,106.5	7.4	32.8	40.2	622.3	56.24
1945.....	74	1,042.5	7.3	44.3	51.6	592.3	56.82
1944.....	75	1,000.7	6.6	35.4	42.0	549.2	54.88
1943.....	74	965.5	6.4	32.7	39.1	514.9	53.33
1942.....	69	918.8	6.3	27.9	34.2	484.6	52.74
1941.....	71	885.3	6.2	28.2	32.4	468.4	52.91
1940.....	66	842.0	5.8	25.5	31.4	457.5	54.34
1939.....	63	829.6	5.7	24.8	30.5	445.3	53.68
1938.....	58	807.8	5.7	24.2	29.9	432.8	53.58
1937.....	58	802.9	5.5	23.5	29.0	413.9	51.55
1936.....	52	773.7	6.0	25.5	31.5	401.3	51.86
1935.....	53	763.0	6.4	27.1	33.5	396.3	51.94
1934.....	51	758.2	5.5	26.7	32.2	376.7	49.69
1933.....	48	766.3	6.0	29.5	35.5	362.7	47.34
1932.....	46	763.9	7.1	30.4	37.5	335.9	43.97
1931.....	49	845.0	8.7	31.1	39.8	353.1	41.79
1930.....	40	772.7	8.1	31.2	39.3	329.1	42.59
1929.....	37	741.0	7.9	29.4	37.3	300.4	40.53
1928.....	33	659.1	8.6	27.0	35.6	274.1	41.58
1927.....	32	609.4	8.3	24.5	32.8	243.1	39.89
1926.....	35	539.4	7.9	23.1	31.0	219.6	40.71
1925.....	37	511.1	7.9	22.2	30.1	193.9	37.94
1924.....	36	496.2	6.9	20.3	27.2	205.0	41.31
1923.....	34	432.1	6.3	16.6	22.9	175.4	40.59
1922.....	36	382.3	6.0	14.6	20.6	152.2	39.81
1921.....	33	365.0	5.0	13.4	18.4	126.8	34.74

² All pipe-line companies reporting to the Interstate Commerce Commission.

³ Includes amortization reserve as follows: (millions) 1935—\$18.5; 1936—\$29.9; 1937—\$30.1; 1938—\$30.5; 1939—\$31.0; 1940—\$29.1; 1941—\$30.4; 1942—\$32.8; 1943—\$39.6; 1944—\$48.7; 1945—\$64.7; 1946—\$71.5; 1947—\$73.6; 1948—\$73.8.

Authority: Interstate Commerce Commission.

OPERATING REVENUE, OPERATING EXPENSE, AND INVESTMENT IN CARRIER PROPERTY OF U. S. OIL PIPE-LINE COMPANIES,¹ BY YEARS, 1929-1949

Year	Gathering Lines			Trunk Lines			All Trunk and Gathering Lines			Investment in Carrier Property
	Operating Revenue	Operating Expense	Per Cent Expense of Revenue	Operating Revenue	Operating Expense	Per Cent Expense of Revenue	Operating Revenue	Operating Expense	Per Cent Expense of Revenue	
1949.....	\$77,284,034	\$58,645,347	75.88	\$299,168,082	\$190,722,853	63.75	\$376,452,116	\$249,368,200	66.24	\$1,497,578,988
1948.....	83,276,076	60,074,986	72.14	293,157,947	192,895,786	65.66	377,034,023	252,970,772	67.09	1,381,402,464
1947.....	72,086,564	51,505,964	71.44	253,127,320	163,176,035	64.46	325,223,884	214,681,999	66.01	1,225,168,434
1946.....	65,510,338	44,061,903	67.26	228,212,260	139,807,198	61.26	293,722,598	183,869,101	62.60	1,106,453,978
1945.....	63,415,033	41,852,995	66.00	240,853,099	149,814,760	62.20	304,268,132	191,667,755	62.99	1,042,522,828
1944.....	62,584,569	39,456,363	63.04	247,609,884	132,911,147	53.68	310,194,453	172,367,510	55.57	1,000,741,256
1943.....	56,507,655	34,387,029	60.86	220,144,596	114,060,008	51.81	276,652,251	148,447,937	53.66	965,464,043
1942.....	53,714,792	31,117,020	57.93	191,346,268	92,389,949	48.28	245,061,060	123,506,969	50.40	918,847,714
1941.....	54,809,965	28,533,819	52.06	196,874,807	81,914,622	41.61	251,684,772	110,448,441	43.88	885,316,742
1940.....	48,077,280	26,626,436	55.38	177,683,202	75,292,534	42.37	225,760,482	101,916,970	45.14	841,976,902
1939.....	44,377,757	25,529,039	57.53	168,088,381	71,600,827	42.60	212,466,138	97,129,866	45.72	829,646,464
1938.....	46,937,780	26,428,207	56.30	181,273,448	72,328,204	39.90	228,211,228	98,756,411	43.27	807,780,468
1937.....	56,655,181	26,834,551	47.36	191,475,597	72,005,644	37.61	248,198,239 ^a	99,641,037 ^a	40.15	802,945,910
1936 ^b.....	.....	.....	.....	.....	.....	.....	219,057,109	92,898,880	42.41	773,742,828
1935.....	.....	.....	.....	.....	.....	.....	197,368,209	89,363,921	45.28	763,009,274
1934.....	.....	.....	.....	.....	.....	.....	199,165,597	86,884,162	43.62	758,171,930
1933.....	.....	.....	.....	.....	.....	.....	217,192,354	85,373,835	39.31	766,251,456
1932.....	.....	.....	.....	.....	.....	.....	211,788,647	86,003,032	40.61	763,941,669
1931.....	.....	.....	.....	.....	.....	.....	222,944,026	96,236,854	43.17	845,049,923
1930.....	.....	.....	.....	.....	.....	.....	237,910,083	99,363,742	41.77	772,710,908
1929.....	.....	.....	.....	.....	.....	.....	251,410,920	102,101,243	40.61	741,010,196

¹ Includes carriers only which report to the Interstate Commerce Commission.

^a Includes \$97,461 not distributed between gathering and trunk lines.

^b Includes \$800,842 not distributed between gathering and trunk lines.

^c Distribution of revenue and expense between gathering and trunk lines not available for 1936 and prior years.

Authority: Interstate Commerce Commission

RATE OF RETURN ON NET WORTH

Year	(Per Cent)		
	Petroleum Industry	Manufacturing Industry	All Industry
1949.....	13.8	13.8	11.2
1948.....	22.9	18.8	14.7
1947.....	16.2	17.1	13.0
1946.....	10.9	12.9	10.1
1945.....	8.9	9.3	7.6
1944.....	9.9	9.8	8.3
1943.....	8.3	9.9	8.7
1942.....	6.7	10.1	9.0
1941.....	8.9	12.3	9.4
1940.....	6.6	10.3	7.4
1939.....	5.4	8.4	...
1938.....	4.9	5.0	3.8
1937.....	10.0	10.6	7.2
1936.....	7.5	10.2	7.3
1935.....	5.2	6.6	5.0
1934.....	2.9	4.3	3.5
1933.....	1.46	2.7	2.6
1932.....	1.09	— 0.3	0.3
1931.....	— 1.07	2.5	2.4
1930.....	4.35	6.3	5.7
1929.....	9.67	12.6	10.7
1928.....	9.39	10.7	10.1
1927.....	5.01	8.8	8.5
1926.....	10.63	11.0	9.3
1925.....	10.81	10.7	9.1
1924.....	7.39	8.9	7.3
1923.....	6.28	10.0	7.7

Authority: Economics Department, The Atlantic Refining Co.

U. S. OIL-LEASE RENTALS AND ROYALTIES PAID, BY SELECTED YEARS, 1923 TO 1949

Type of Payment	1949	1944	1940	1937	1923
Rents	\$110,000,000 ²	\$ 66,000,000 ³	\$ 51,300,000 ⁴	\$ 43,700,000 ⁵	\$ 12,300,000 ⁶
Royalties	668,440,000 ⁷	271,900,000 ⁸	186,300,000 ⁸	204,300,000 ⁸	122,300,000 ⁹
Total	\$778,440,000	\$337,900,000	\$237,600,000	\$248,000,000	\$134,600,000

² Calculated at 58 cents per acre on 190,000,000 acres under lease.

³ Calculated at 44 cents per acre on 150,000,000 acres under lease.

⁴ Calculated at 41 cents per acre on 125,000,000 acres under lease.

⁵ Calculated at 38 cents per acre on 115,000,000 acres under lease.

⁶ Calculated; equivalent to 2.4 cents per barrel of crude oil produced.

⁷ Calculated at 14.3 per cent of total value of crude oil produced.

⁸ Calculated at 13.5 per cent of total value of crude oil produced.

⁹ Calculated at 12.5 per cent of total value of crude oil produced.

Authority: Economics Department, The Atlantic Refining Co.

ESTIMATED WORLD CRUDE-OIL RESERVES, 1950 AND 1944

(Thousands of Barrels of 42 U. S. Gallons)

Region and Country	January 1, 1950 ²	Per Cent of World Total	January 1, 1944 ³	Per Cent of World Total
North America:				
Canada	1,200,000	1.56	150,000	0.30
Cuba	2,800	0.01	(⁴)	.
Mexico	850,000	1.10	600,000	1.18
United States ⁴	24,649,489	32.00	20,064,152	39.59
Total North America...	26,702,289	34.67	20,815,652	41.07
South America:				
Argentina	250,000	0.32	168,000	0.33
Bolivia	20,000	0.03	45,400	0.09
Brazil	20,000	0.03	1,000	0.00
Chile	10,000	0.01	....	....
Colombia	300,000	0.39	500,000	0.99
Ecuador	28,000	0.04	45,000	0.09
Peru	160,000	0.21	135,000	0.27
Trinidad	260,000	0.33	239,600	0.47
Venezuela	9,500,000	12.33	5,600,000	11.05
Total South America...	10,548,000	13.69	6,734,000	13.29
Europe:				
Albania	9,000	0.01	41,000	0.08
Austria	75,000	0.10	(⁵)	....
Czechoslovakia ..	2,000	0.00	1,200	0.00
France	4,250	0.01	11,000	0.02
Germany	150,000	0.19	68,700 ⁵	0.14
Great Britain ..	3,700	0.01	(⁶)	....
Hungary	40,000	0.05	75,000	0.15
Italy	2,000	0.00	1,000	0.00
Netherlands	50,000	0.06	....	....
Poland	20,000	0.03	30,000	0.06
Romania	350,000	0.45	392,000	0.77
U.S.S.R.	4,300,000	5.58	5,735,000	11.32
Yugoslavia	4,000	0.01	(⁷)	....
Total Europe	5,009,950	6.50	6,364,900	12.56
Africa:				
Algeria and Morocco	2,500	0.00	....	....
Egypt	200,000	0.26	86,000	0.17
Total Africa ..	202,500	0.26	86,000	0.17
Asia:				
Bahrain Island ..	160,000	0.21	(⁸)	....
British Borneo	300,000	0.39	(⁷)	....
Burma	50,000	0.06	138,700	0.27
China	20,000	0.03	(⁵)	....
India	35,000	0.04	28,700	0.06
Iran	7,000,000	9.09	5,000,000	9.87
Iraq	5,250,000	6.81	4,000,000	7.89
Japan	22,000	0.03	36,000	0.07
Kuwait	11,000,000	14.28	4,000,000	7.89
Netherlands East Indies.....	1,100,000	1.43	950,000 [†]	1.87
New Guinea	50,000	0.06	....	....
Qatar	500,000	0.65	500,000	0.99
Sakhalin	75,000	0.10	....	....
Saudi Arabia	9,000,000	11.69	2,000,000 ⁶	3.94
Turkey	3,000	0.01	....	....
Total Asia	34,565,000	44.88	16,683,400	32.91
Undistributed .....	....	....	41,500	0.08
Total world reserves.....	77,027,739	100.00	50,683,952	100.00

² Estimated by *The Oil and Gas Journal* except for United States.

³ Estimated by Petroleum Administration for War except for United States.

⁴ United States estimates of proved crude oil reserves by American Petroleum Institute; do not include reserves of natural gas liquids.

⁵ Austria included with Germany in 1944.

⁶ Bahrain Island included with Saudi Arabia in 1944.

⁷ British Borneo included with Netherlands East Indies in 1944.

⁸ Not available.

Authority: American Petroleum Institute; *The Oil and Gas Journal*;
Petroleum Administration for War.

U. S. Leads World in Crude Production

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1911-1949

(Thousands of Barrels of 42 U. S. Gallons)

Year	North America						Other North America	Total North America
	United States	Canada	Mexico	Trinidad	Cuba			
1949 ¹	1,840,307	21,010	60,910	20,617	174	...		1,943,018
1948	2,020,185	12,098	58,508	20,111	159	(³)		2,111,061
1947	1,856,987	7,692	56,284	20,521	300	(³)		1,941,784
1946	1,733,939	7,586	49,235	20,233	269	1		1,811,263
1945	1,713,655	8,483	43,547	21,093	149	2		1,786,929
1944	1,677,904	10,099	38,203	22,139	109	1		1,748,455
1943	1,505,813	10,052	35,163	21,385	107	2		1,572,322
1942	1,386,645	10,365	34,815	22,069	151	2		1,454,047
1941	1,402,228	10,134	42,196	20,506	...	150		1,475,214
1940	1,353,214	8,591	44,036	22,227	...	142		1,428,210
1939	1,264,962	7,838	42,898	19,270	...	112		1,335,080
1938	1,214,355	6,966	38,506	17,737	...	78		1,277,642
1937	1,279,160	2,944	46,907	15,503	...	33		1,344,547
1936	1,099,687	1,500	41,028	13,237	...	62		1,155,514
1935	996,596	1,447	40,241	11,671	...	47		1,050,002
1934	908,065	1,411	38,172	10,894	...	28		958,570
1933	905,656	1,145	34,001	9,561	...	23		950,386
1932	785,159	1,044	32,805	10,126	...	...		829,134
1931	851,081	1,543	33,039	9,744	...	...		895,407
1930	898,011	1,522	39,530	9,419	...	...		948,482
1929	1,007,323	1,117	44,688	8,716	...	...		1,061,844
1928	901,474	624	50,151	7,684	...	...		959,933
1927	901,129	477	64,121	5,380	...	...		971,107
1926	770,874	364	90,421	4,971	...	...		866,630
1925	763,743	332	115,515	4,387	...	...		883,977
1924	713,940	161	139,678	4,057	...	...		857,836
1923	732,407	170	149,585	3,051	...	...		885,213
1922	557,531	179	182,278	2,445	...	...		742,433
1921	472,183	188	193,398	2,354	...	...		668,123
1920	442,929	196	157,069	2,083	...	...		602,277
1919	378,367	241	87,073	1,841	...	...		467,522
1918	355,928	305	63,828	2,082	...	...		422,143
1917	335,316	214	55,293	1,602	...	...		392,425
1916	300,767	198	40,546	929	...	...		342,440
1915	281,104	215	32,911	750	...	...		314,980
1914	265,763	215	26,235	644	...	...		292,857
1913	248,446	228	25,696	504	...	...		274,874
1912	222,935	243	16,558	437	...	...		240,173
1911	220,449	291	12,553	285	...	...		233,578
Cumulative total, 1857-1949 ...	38,943,881	161,945	2,409,911	392,465	1,418	683		41,910,303

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1911-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	South America								Total South America
	Venezuela	Argentina	Bolivia	Brazil	Chile	Colombia	Ecuador	Peru	
1949 ¹	482,316	22,961	678	109	110	29,722	2,617	14,790	553,303
1948	490,015	23,734	464	144	....	23,792	2,563	14,069	554,781
1947	434,905	21,846	377	97	....	24,794	2,282	12,764	497,065
1946	388,486	20,604	363	67	....	22,118	2,323	12,468	446,429
1945	323,156	22,881	382	79	....	22,449	2,664	13,744	385,355
1944	257,046	24,230	314	58	....	22,291	2,967	14,389	321,295
1943	177,631	27,714	334	48	....	13,261	2,315	14,654	235,957
1942	147,675	23,704	308	33	....	10,487	2,278	13,629	198,114
1941	228,430	21,873	235	3	....	24,553	1,557	11,935	288,586
1940	185,570	20,609	288	2	....	25,593	2,349	12,126	246,537
1939	206,470	18,613	215	....	....	23,857	2,313	13,508	264,976
1938	188,174	17,076	226	....	....	21,582	2,246	15,839	245,143
1937	186,230	16,355	122	....	....	20,599	2,161	17,457	242,924
1936	154,794	15,458	105	....	....	18,756	1,942	17,593	208,648
1935	148,254	14,297	164	....	....	17,598	1,732	17,067	199,112
1934	136,103	14,025	159	....	....	17,341	1,637	16,314	185,579
1933	117,720	13,691	112	....	....	13,158	1,620	13,257	159,558
1932	116,541	13,139	44	....	....	16,414	1,597	9,889	157,624
1931	116,613	11,709	25	....	....	18,237	1,762	10,089	158,435
1930	136,669	9,002	56	....	....	20,346	1,553	12,449	180,075
1929	137,472	9,391	(*)	....	....	20,385	1,381	13,422	182,051
1928	105,749	9,070	....	....	....	19,897	1,084	12,006	147,806
1927	63,134	8,630	....	....	....	15,014	537	10,127	97,442
1926	36,911	7,851	....	....	....	6,444	214	10,762	62,182
1925	19,687	6,336	....	....	....	1,007	160	9,232	36,422
1924	9,042	4,639	....	....	....	445	100 ^s	8,379	22,605
1923	4,201	3,400	....	....	....	425	87	5,699	13,812
1922	2,201	2,866	....	....	....	323	60 ^s	5,314	10,764
1921	1,433	2,036	....	....	....	67	60 ^s	3,699	7,295
1920	457	1,651	....	....	....	....	60 ^s	2,817	4,985
1919	425	1,331	....	....	....	....	60 ^s	2,628	4,444
1918	333	1,353	....	....	....	....	60 ^s	2,527	4,273
1917	120	1,218	....	....	....	....	57	2,577	3,972
1916	....	867	....	....	....	....	....	2,593	3,460
1915	....	513	....	....	....	....	....	2,579	3,092
1914	....	276	....	....	....	....	....	1,837	2,113
1913	....	131	....	....	....	....	....	2,071	2,202
1912	....	47	....	....	....	....	....	1,752	1,799
1911	....	13	....	....	....	....	....	1,465	1,478
Cumulative total, 1857-1949 ...	5,003,963	435,190	4,971	640	110	470,955	46,398	386,467	6,348,694

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1911-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	Europe								Nether-lands
	Albania	Austria	Czecho-slovakia	England	France	Germany	Hungary	Italy	
1949 ¹	.....	.....	.....	338	411	5,947	.....	71	4,314
1948	1,400	6,149	204	323	370	4,446	3,542	70	3,444
1947	1,800	6,285	210	351	363	4,035	4,330	80	1,478
1946	1,000	5,734	196	412	367	4,539	5,146	82	435
1945	267	3,074	91	532	197	3,935	5,018	75 ^s	41
1944	334	8,218	185 ^s	703	300 ^s	6,154	6,204	75 ^s	14
1943	1,001	7,478	200 ^s	839	356 ^s	4,973	6,347	75 ^s	.....
1942	1,601	5,899	271	605	463	5,191	5,037	101	.....
1941	1,334	4,238	183	223	414	6,303	3,183	95	.....
1940	1,497	2,808	163	124	496	7,371	1,881	85	.....
1939	934	1,240	120	.....	500	4,487	1,103	91	.....
1938	752	383	130	(?)	513	3,861	288	101	.....
1937	619	221	123	(?)	502	3,176	16	110	.....
1936	273	50	127	(?)	503	3,115	.....	123	.....
1935	41	44	133	(?)	541	2,996	.....	119	.....
1934	10	28	178	.....	557	2,187	.....	150	.....
1933	11	6	122	.....	562	1,665	.....	204	.....
1932	.....	.....	126	.....	530	1,608	.....	208	.....
1931	.....	.....	134	.....	527	1,608	.....	124	.....
1930	.....	.....	157	(?)	523	1,222	.....	59	.....
1929	.....	.....	93	.....	535	704	.....	45	.....
1928	.....	.....	94	1	512	630	.....	46	.....
1927	.....	.....	112	2	504	663	.....	47	.....
1926	.....	.....	150	2	478	653	.....	41	.....
1925	.....	.....	158	3	459	541	.....	61	.....
1924	.....	.....	76	2	497	406	.....	39	.....
1923	.....	.....	74	1	494	346	.....	34	.....
1922	.....	.....	120	1	496	319	.....	31	.....
1921	.....	.....	94	3	389	274	.....	32	.....
1920	.....	.....	69	3	356	246	.....	35	.....
1919	.....	.....	48	2	334	265	.....	35	.....
1918	.....	.....	.....	.....	363 ¹¹	270	.....	35	.....
1917	.....	.....	.....	.....	.....	642	.....	41	.....
1916	.....	.....	.....	.....	.....	656	.....	51	.....
1915	.....	.....	.....	.....	.....	703	.....	44	.....
1914	.....	.....	.....	.....	.....	781	.....	40	.....
1913	.....	.....	.....	.....	.....	857	.....	47	.....
1912	.....	.....	.....	.....	.....	1,031	.....	54	.....
1911	.....	.....	.....	.....	.....	1,017	.....	75	.....
Cumulative total, 1857-1949	12,874	51,855	4,141	4,470	14,412	98,749	42,095	3,518	9,726

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1911-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	Europe—Continued					Africa		
	Poland	Romania	U.S.S.R. (Russia)	Other Europe	Total Europe	Egypt	Other Africa	Total Africa
1949 ¹	.....	.....	233,170	47,475	291,726	15,862	136	15,998
1948	1,000	30,868	218,000	365	270,181	13,398	102	13,500
1947	951	28,552	187,463	365	236,263	8,627	23	8,650
1946	866 ⁴	31,434	157,673	400	208,284	9,070	20	9,090
1945	750 ⁴	34,772	148,953	450	198,155	9,406	26	9,432
1944	3,000 ⁵	26,191	275,000	500	326,878	9,416	32	9,448
1943	3,500 ⁵	39,182	200,750	10	264,711	8,953	39	8,992
1942	2,794	42,094	227,470	10	291,536	8,275	41	8,316
1941	1,793	40,517	238,150	10	296,443	8,546	27	8,573
1940	3,891	43,168	218,600	10	280,094	6,505	27	6,532
1939	3,898	45,648	216,866	10	274,897	4,666	27	4,693
1938	3,763	48,487	204,956	9	263,243	1,581	27	1,608
1937	3,716	52,452	193,241	4	254,180	1,196	22	1,218
1936	3,789	63,659	186,206	1	257,846	1,278	4	1,282
1935	3,812	61,310	182,386	2	251,384	1,301	4	1,305
1934	3,913	62,438	174,986	3	244,450	1,546	6	1,552
1933	4,072	54,020	153,382	5	214,049	1,663	7	1,670
1932	4,116	53,815	154,775	.....	215,178	1,895	6	1,901
1931	4,662	49,741	162,842	.....	219,638	2,038	7	2,045
1930	4,904	42,759	125,555 ¹⁰	.....	175,179	1,996	16	2,012
1929	4,988	34,758	99,507 ¹⁰	.....	140,630	1,868	20	1,888
1928	5,492	30,773	84,745 ¹⁰	.....	122,293	1,842	8	1,850
1927	5,342	26,368	77,018	.....	110,056	1,267	8	1,275
1926	5,844	23,314	64,311	.....	94,793	1,188	9	1,197
1925	5,960	16,650	52,448	.....	76,280	1,226	12	1,238
1924	5,657	13,369	45,355	.....	65,401	1,122	11	1,133
1923	5,402	10,867	39,147	.....	56,365	1,054	9	1,063
1922	5,227	9,843	35,692	.....	51,729	1,188	9	1,197
1921	5,167	8,368	28,968	.....	43,295	1,255	3	1,258
1920	5,607	7,435	25,430	.....	39,181	1,042	4	1,046
1919	6,096	6,618	31,752	.....	45,150	1,517	5	1,522
1918	6,032	8,730	27,168	.....	42,598	1,935	7	1,942
1917	6,228	3,721	63,072	.....	73,704	943	9	952
1916	6,587	8,945	65,817	.....	82,056	404	8	412
1915	5,352	12,030	68,548	.....	86,677	212	4	216
1914	6,436	12,827	67,020	.....	87,104	753	1	754
1913	7,818	13,555	62,834	.....	85,111	98	.....	98
1912	8,535	12,976	68,019	.....	90,615	214	.....	214
1911	10,519	11,108	66,184	.....	88,903	21	.....	21
Cumulative total, 1857-1949 ...	277,449	1,190,878	6,291,638	49,629	8,051,434	136,367	726	137,093

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1911-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Asia										Nether-
Year	Bahrein Island	Burma	India	China	For- mosa (Tai- wan)	Iran	Iraq	Japan	Kuwait	lands East Indies (Indo- nesia Includ- ing New Guinea)
1949 ¹	10,985	(²)	3,020 ²	752	....	204,852	31,000	1,353	89,790	44,932
1948	10,915	360	1,742	533	18	190,395	26,115	1,122	46,098	31,900
1947	9,411	59	1,533	378	18	154,998	35,834	1,276	16,225	8,020
1946	8,010	15	2,193	513	16	146,819	35,665	1,343	5,931	2,100
1945	7,309	725 ³	2,363	484	11	130,526	35,112	1,544	....	7,600
1944	6,714	750 ⁴	2,784	505	40	102,045	30,943	1,601	....	22,260
1943	6,572	1,000	2,735	447	38	74,612	24,848	1,727	....	48,294
1942	6,241	2,500	2,792	340	48	72,256	19,726	1,652	....	24,000
1941	6,794	7,762	2,899	87	62	50,777	12,650	1,929	....	53,704
1940	7,074	7,731	2,302	10	....	66,317	24,225	2,639	....	62,011
1939	7,589	7,873	2,327	4	....	78,151	30,791	2,654	....	62,087
1938	8,298	7,538	2,488	....	....	78,372	32,643	2,511	....	57,318
1937	7,762	7,848	2,162	....	....	77,804	31,836	2,488	....	56,724
1936	4,645	7,588	1,978	....	....	62,718	30,406	2,440	....	50,025
1935	1,265	7,181	2,038	....	....	57,273	27,408	2,249	....	47,171
1934	285	7,279	1,922	....	....	57,851	7,689	1,821	....	46,529
1933	31	8,743 ⁵	....	....	....	54,392	917	1,455	....	42,667
1932	1	8,817	....	....	....	49,471	836	1,630	....	39,001
1931	....	8,715	....	....	....	44,376	900	1,966	....	35,539
1930	....	8,887	....	....	....	45,833	909	2,047	....	41,728
1929	....	8,747	....	....	....	42,145	798	2,023	....	39,279
1928	....	8,741	....	....	....	43,461	713	1,944	....	32,118
1927	....	8,032	....	....	....	39,688	338	1,789	....	27,459
1926	....	8,011	....	....	....	35,842	....	1,785	....	21,243
1925	....	8,274	....	....	....	35,038	....	1,915	....	21,422
1924	....	8,416	....	....	....	32,373	....	1,814	....	20,473
1923	....	8,406	....	....	....	25,230	....	1,804	....	19,870
1922	....	8,529	....	....	....	22,247	....	2,055	....	17,066
1921	....	8,734	....	....	....	16,673	....	2,233	....	16,958
1920	....	8,375	....	....	....	12,230	....	2,221	....	17,529
1919	....	8,736	....	....	....	10,139	....	2,238	....	15,508
1918	....	8,188	....	....	....	8,623	....	2,441	....	12,778
1917	....	8,079	....	....	....	7,147	....	2,861	....	13,180
1916	....	8,491	....	....	....	4,477	....	2,963	....	12,547
1915	....	8,202	....	....	....	3,616	....	2,928	....	11,920
1914	....	7,410	....	....	....	2,910	....	2,636	....	11,422
1913	....	7,930	....	....	....	1,857	....	1,940	....	11,172
1912	....	7,117	....	....	....	....	....	1,659	....	10,846
1911	....	6,451	....	....	....	....	....	1,737	....	12,173
Cumulative total, 1857-1949 ...	109,901	338,000	4,053	251	2,143,534	442,302	96,397	158,044	1,219,161	

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1911-1949—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	Asia—Continued						Australia and New Zealand	Rest of World	World Total	Per Cent Produced by U. S.
	Pakistan	Sakhalin	Sarawak	Saudi Arabia	Other Asia	Total Asia				
1949 ¹	(²)	7,000	25,108	174,008	845	593,645	1	....	3,397,691	54.16
1948	490	7,000	20,120	142,853	....	479,661	2	....	3,429,186	58.91
1947	330	7,000	12,970	89,852	....	337,804	2	....	3,021,668	61.46
1946	6,000 ⁵	2,050	59,944	....	270,599	2	....	2,745,667	63.15
1945	6,000 ⁵	2,100	21,311	....	215,085	3	....	2,594,959	66.04
1944	5,000 ⁵	6,000 ⁵	7,794	....	186,436	2	....	2,592,514	64.72
1943	5,000 ⁵	4,500 ⁵	4,868	....	174,641	2	....	2,256,625	66.72
1942	4,000 ⁵	3,000 ⁵	4,530	....	141,085	2	....	2,093,100	66.25
1941	4,000 ⁵	6,864	4,310	....	151,838	3	....	2,220,657	63.14
1940	4,000	7,047	5,075	....	188,431	3	14	2,149,821	62.94
1939	4,000	7,097	3,934	....	206,507	3	4	2,086,160	60.64
1938	3,821	6,913 ⁶	495	....	200,397	4	4	1,988,041	61.08
1937	3,656	6,009 ⁶	65	....	196,354	4	4	2,039,231	62.73
1936	3,212	5,209 ⁶	20	....	168,241	5	4	1,791,540	61.38
1935	2,545	5,546 ⁶	....	....	152,676	5	4	1,654,488	60.24
1934	2,798	5,140 ⁶	....	....	131,314	5	4	1,521,474	59.7
1933	2,630	4,490 ⁶	....	....	115,325	3	9	1,441,000	62.8
1932	2,854	3,796 ⁶	....	....	106,406	....	55	1,310,298	59.9
1931	2,734	3,854 ⁶	....	....	98,084	....	47	1,373,656	62.0
1930	1,805 ¹⁰	4,907 ⁶	....	....	106,116	....	40	1,411,904	63.6
1929	1,134 ¹⁰	5,290 ⁶	....	....	99,416	....	38	1,485,867	67.8
1928	677	5,223 ⁶	....	....	92,877	....	15	1,324,774	68.0
1927	440	4,943	....	....	82,689	....	13	1,262,582	71.4
1926	181	4,942	....	....	72,004	....	17	1,096,823	70.3
1925	87	4,257	....	....	70,993	....	23	1,068,933	71.4
1924	80	4,163	....	....	67,319	....	24	1,014,318	70.4
1923	9	3,940	....	....	59,259	....	24	1,015,736	72.1
1922	7	2,849	....	....	52,753	....	22	858,898	64.9
1921	2	1,411	....	....	46,011	....	20	766,002	61.6
1920	1,020	....	....	41,375	....	20	688,884	64.3
1919	596	....	....	37,217	....	20	555,875	68.1
1918	504	....	....	32,534	....	25	503,515	70.7
1917	542	....	....	31,809	....	29	502,891	66.7
1916	629	....	....	29,107	....	25	457,500	65.7
1915	392	....	....	27,058	....	10	432,033	65.1
1914	318	....	....	24,696	....	20	407,544	65.2
1913	141	....	....	23,040	....	20	385,345	64.5
1912	19,622	....	20	352,443	63.3
1911	20,361	....	20	344,361	64.0
Cumulative total, 1857-1949	820	87,672	183,880	519,059	845	5,303,919	57	870	61,752,370	63.06

² Burma and Pakistan included with India in 1949.

³ Less than 500 bbl.

⁴ Present borders.

⁵ Estimated.

⁶ Includes a small production from Brunei.

⁷ Included in "other Europe."

⁸ Burma cannot be separated from India prior to 1934.

⁹ Less than 1,000 bbl.

¹⁰ Year ended Sept. 30.

¹¹ Production in previous years credited to Germany.

Authority: Bureau of Mines.

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1857-1910

(Thousands of Barrels of 42 U. S. Gallons)

Year	North America					South America		
	United States	Canada	Mexico	Trinidad	Total North America	Argentina	Peru	Total South America
1910.....	209,557	316	3,634	143	213,650	20	1,258	1,278
1909.....	183,171	421	2,714	57	186,363	18	1,411	1,429
1908.....	178,527	528	3,933	(⁶)	182,988	12	945	957
1907.....	166,095	789	1,005	....	167,889	(⁴)	751	751
1906.....	126,494	569	502	....	127,565	....	531	531
1905.....	134,717	634	251	....	135,602	....	373	373
1904.....	117,081	553	126	....	117,760	....	290	290
1903.....	100,461	487	75	....	101,023	....	278	278
1902.....	88,767	531	40	....	89,338	....	287	287
1901.....	69,389	757	10	....	70,156	....	275	275
1900.....	63,621	913	....	....	64,534	....	274	274
1899.....	57,071	808	....	....	57,879	....	89	89
1898.....	55,364	758	....	....	56,122	....	71	71
1897.....	60,476	710	....	....	61,186	....	71	71
1896.....	60,960	727	....	....	61,687	....	47	47
1895.....	52,892	726	....	....	53,618	....	....	....
1894.....	49,344	829	....	....	50,173	....	....	....
1893.....	48,431	798	....	....	49,229	....	....	....
1892.....	50,515	780	....	....	51,295	....	....	....
1891.....	54,293	755	....	....	55,048	....	....	....
1890.....	45,824	795	....	....	46,619	....	....	....
1889.....	35,164	705	....	....	35,869	....	....	....
1888.....	27,612	695	....	....	28,307	....	....	....
1887.....	28,283	526	....	....	28,809	....	....	....
1886.....	28,065	584	....	....	28,649	....	....	....
1885.....	21,859	250	....	....	22,109	....	....	....
1884.....	24,218	250	....	....	24,468	....	....	....
1883.....	23,450	250	....	....	23,700	....	....	....
1882.....	30,350	275	....	....	30,625	....	....	....
1881.....	27,661	275	....	....	27,936	....	....	....
1880.....	26,286	350	....	....	26,636	....	....	....
1879.....	19,914	575	....	....	20,489	....	....	....
1878.....	15,397	312	....	....	15,709	....	....	....
1877.....	13,350	312	....	....	13,662	....	....	....
1876.....	9,133	312	....	....	9,445	....	....	....
1875.....	8,788	220	....	....	9,008	....	....	....
1874.....	10,927	169	....	....	11,096	....	....	....
1873.....	9,894	365	....	....	10,259	....	....	....
1872.....	6,293	308	....	....	6,601	....	....	....
1871.....	5,205	270	....	....	5,475	....	....	....
1870.....	5,261	250	....	....	5,511	....	....	....
1869.....	4,215	220	....	....	4,435	....	....	....
1868.....	3,646	200	....	....	3,846	....	....	....
1867.....	3,347	190	....	....	3,537	....	....	....
1866.....	3,598	175	....	....	3,773	....	....	....
1865.....	2,498	110	....	....	2,608	....	....	....
1864.....	2,116	90	....	....	2,206	....	....	....
1863.....	2,611	83	....	....	2,694	....	....	....
1862.....	3,057	12	....	....	3,069	....	....	....
1861.....	2,114	....	....	....	2,114	....	....	....
1860.....	500	....	....	....	500	....	....	....
1859.....	2	....	....	....	2	....	....	....
1858.....	....	....	....	....	....	....	....	....
1857.....	....	....	....	....	....	....	....	....
Cumulative total, 1857-1910.....	2,377,864	22,517	12,290	200	2,412,871	50	6,951	7,001

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1857-1910—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Europe

Year	Germany	Italy	Poland	Romania	Russia	Total Europe
1910.....	1,032	51	12,673	9,724	70,337	93,817
1909.....	1,019	42	14,933	9,327	65,970	91,291
1908.....	1,009	51	12,612	8,252	62,187	84,111
1907.....	757	60	8,456	8,118	61,851	79,242
1906.....	579	54	5,468	6,378	58,897	71,376
1905.....	561	44	5,766	4,421	54,960	65,752
1904.....	637	26	5,947	3,599	78,537	88,746
1903.....	446	18	5,235	2,763	75,591	84,053
1902.....	354	19	4,142	2,060	80,540	87,115
1901.....	314	16	3,251	1,678	85,168	90,427
1900.....	358	12	2,347	1,629	75,780	80,126
1899.....	192	16	2,314	1,426	65,955	69,903
1898.....	184	15	2,376	776	61,610	64,961
1897.....	166	14	2,226	571	54,399	57,376
1896.....	145	18	2,444	543	47,221	50,371
1895.....	121	26	1,453	576	46,140	48,316
1894.....	123	21	949	508	36,375	37,976
1893.....	100	19	693	535	40,457	41,804
1892.....	101	18	646	593	35,775	37,133
1891.....	109	8	631	488	34,573	35,809
1890.....	108	3	659	383	28,691	29,844
1889.....	68	1	515	298	24,609	25,491
1888.....	85	1	467	219	23,049	23,821
1887.....	74	1	344	182	18,368	18,969
1886.....	74	2	306	168	18,006	18,556
1885.....	41	2	465	193	13,925	14,626
1884.....	46	3	408	211	10,805	11,473
1883.....	27	2	365	139	6,002	6,535
1882.....	58	2	330	136	4,538	5,064
1881.....	29	1	287	122	3,601	4,040
1880.....	9	2	229	115	3,001	3,356
1879.....	....	3	215	110	2,761	3,089
1878.....	....	4	176	109	2,401	2,690
1877.....	....	3	170	108	1,801	2,082
1876.....	....	3	164	111	1,321	1,599
1875.....	....	1	158	108	697	964
1874.....	....	1	150	103	585	839
1873.....	....	(3)	....	104	475	579
1872.....	....	(3)	....	91	185	276
1871.....	....	(3)	....	90	165	255
1870.....	....	(3)	....	84	204	288
1869.....	....	(3)	....	59	202	261
1868.....	....	(3)	....	56	88	144
1867.....	....	1	....	51	120	172
1866.....	....	1	....	42	83	126
1865.....	....	2	....	39	67	108
1864.....	....	(3)	....	33	65	98
1863.....	....	(3)	....	28	41	69
1862.....	....	(3)	....	23	....	23
1861.....	....	(3)	....	17	....	17
1860.....	....	(3)	....	8	....	8
1859.....	....	....	....	5	....	5
1858.....	....	....	....	4	....	4
1857.....	....	....	....	2	....	2
Cumulative total, 1857-1910.....	8,926	587	99,970	67,516	1,358,179	1,535,178

WORLD CRUDE-OIL PRODUCTION, BY REGIONS AND COUNTRIES—BY YEARS, 1857-1910—Continued

(Thousands of Barrels of 42 U. S. Gallons)

Year	Asia				Rest of World	World Total	Per Cent Produced by U. S.
	Burma	India	Japan (Including Taiwan)	Netherlands East Indies			
1910.....	6,138		1,829	11,031	20	327,763	63.9
1909.....	6,677		1,887	11,042	20	298,709	61.3
1908.....	5,047		1,871	10,283	30	285,287	62.6
1907.....	4,344		1,718	9,983	30	263,957	62.9
1906.....	4,016		1,564	8,181	30	213,263	59.3
1905.....	4,137		1,347	7,850	30	215,091	62.6
1904.....	3,385		1,219	6,508	40	217,948	53.7
1903.....	2,510		1,209	5,770	36	194,879	51.6
1902.....	1,617		996	2,430	26	181,809	48.8
1901.....	1,431		1,117	4,014	20	167,440	41.4
1900.....	1,079		871	2,253	....	149,137	42.7
1899.....	941		539	1,796	....	131,147	43.5
1898.....	542		319	2,964	....	124,979	44.3
1897.....	546		262	2,552	....	121,993	49.6
1896.....	430		237	1,427	....	114,199	53.4
1895.....	372		170	1,216	....	103,692	51.0
1894.....	327		173	688	....	89,337	55.2
1893.....	299		106	600	....	92,038	52.6
1892.....	242		69	....	....	88,739	56.9
1891.....	190		53	....	....	91,100	59.6
1890.....	118		52	....	....	76,633	59.8
1889.....	94		53	....	....	61,507	57.2
1888.....	....		37	....	....	52,165	52.9
1887.....	....		29	....	....	47,807	59.2
1886.....	....		38	....	....	47,243	59.4
1885.....	....		30	....	....	36,765	59.5
1884.....	....		28	....	....	35,969	67.3
1883.....	....		20	....	....	30,255	77.5
1882.....	....		15	....	....	35,704	85.0
1881.....	....		17	....	....	31,993	86.5
1880.....	....		26	....	....	30,018	87.6
1879.....	....		23	....	....	23,601	84.4
1878.....	....		18	....	....	18,417	83.6
1877.....	....		10	....	....	15,754	84.7
1876.....	....		7	....	....	11,051	82.6
1875.....	....		5	....	....	9,977	88.1
1874.....	....		....	....	....	11,935	91.6
1873.....	....		....	....	....	10,838	91.3
1872.....	....		....	....	....	6,877	91.5
1871.....	....		....	....	....	5,730	90.8
1870.....	....		....	....	....	5,799	90.7
1869.....	....		....	....	....	4,696	89.8
1868.....	....		....	....	....	3,990	91.4
1867.....	....		....	....	....	3,709	90.2
1866.....	....		....	....	....	3,899	92.3
1865.....	....		....	....	....	2,716	92.0
1864.....	....		....	....	....	2,304	91.8
1863.....	....		....	....	....	2,763	94.5
1862.....	....		....	....	....	3,092	98.9
1861.....	....		....	....	....	2,131	99.2
1860.....	....		....	....	....	508	98.4
1859.....	....		....	....	....	7	28.6
1858.....	....		....	....	....	4	....
1857.....	....		....	....	....	2	....
Cumulative total 1857-1910....	44,482		17,964	90,588	282	4,108,366	57.9

Canadian Production Almost Triples in Three Years

PETROLEUM² PRODUCTION IN CANADA, BY FIELDS AND BY YEARS, 1946-1950

(Barrels of 42 U. S. Gallons)

Province and Field	January 1-June 30		1949	1948	1947	1946
	1950	1949				
New Brunswick	8,231	9,807	19,545	21,371	23,128	28,581
Ontario	123,866	112,839	258,374	176,225	130,135	122,032
Saskatchewan	485,943	410,612	779,962	847,095	534,894	136,346
Alberta:						
Leduc	4,893,137	4,714,287	9,688,784	4,657,371	363,363	.....
Lloydminster	397,980	366,740	716,941	648,055	304,707	76,187
Redwater	3,934,730	1,535,842	4,793,491	36,875	.....	.....
Turner Valley—						
Crude oil	1,723,748	1,956,424	3,826,543	4,428,688	5,022,350	5,937,362
Natural gasoline	219,052	238,773	477,520	472,051	427,225	434,210
Brooks	6,566	7,868	(³)	(³)	.....	.....
Conrad	53,040	83,777	139,728	182,255	202,458	212,645
Dina	9,350	7,857	(³)	(³)	.....	.....
Excelsior	60,598	.....	(³)	(³)	.....	.....
Golden Spike	135,166	32,187	(³)	(³)	.....	.....
Joseph Lake	45,275	3,890	(³)	(³)	.....	.....
Normandville	15,272	.....	(³)	(³)	.....	.....
Princess	54,770	59,095	121,227	187,084	106,950	64,953
Stettler	75,680	1,434	(³)	(³)	.....	.....
Taber	71,973	86,710	150,746	201,527	205,236	206,925
Vermilion	26,742	49,542	86,933	112,331	138,401	183,946
Wainwright	7,152	8,305	16,086	17,131	18,325	15,114
Whitemud	27,632	3,466	(³)	(³)	.....	.....
Other areas	25,007	13,783	228,467	30,215	20,269	7,190
Total Alberta	11,782,870	9,169,980	20,246,466	10,973,583	6,809,284	7,138,532
Northwest Territories ...	97,345	109,357	182,783	349,768	231,844	181,408
Total Canada ⁴	12,498,255	9,812,595	21,487,130	12,368,042	7,729,285	7,606,899

²Data for all provinces and fields, except Turner Valley, are for crude-oil production.

³Included in "other areas."

⁴Totals differ somewhat from those in table entitled "World crude-oil production, by regions and countries," as reported by U. S. Bureau of Mines.

Authority: Dominion Bureau of Statistics, Ottawa.

More Than Half of World Crude-Oil Refining Capacity in U. S.

WORLD REFINING CAPACITY AS OF JANUARY 1, 1950

		(Barrels Per Day)	Capacity	
Region and Country		Number of Refineries	Crude Oil	Cracking ²
Western Hemisphere:				
Canada	.....	33	328,800	166,800
Mexico	.....	7	160,350	25,900
United States	.....	367	6,696,300	1,820,683
Caribbean:				
Colombia	.....	2	23,700	.....
Netherlands West Indies	.....	3	617,000	511,000
Trinidad	.....	5	104,300	45,000
Venezuela	.....	15	253,670	32,000
Total Caribbean	.....	25	998,670	588,000
Other Latin America:				
Argentina	.....	18	152,300	89,500
Bolivia	.....	3	7,200	.....
Brazil	.....	4	12,000	2,500
Chile	.....	2	350	.....
Cuba	.....	6	7,300	1,100
Ecuador	.....	2	4,700	.....
Peru	.....	3	35,000	6,600
Uruguay	.....	1	15,700	2,000
Total other Latin America	.....	39	234,550	101,700
Total Western Hemisphere	.....	471	8,418,670	2,703,083
Eastern Hemisphere:				
Europe:				
Austria	.....	9	26,100	3,700
Belgium	.....	7	15,800	3,500
Denmark	.....	3	620	.....
Eire	.....	1	600	.....
France	.....	16	305,700	73,350
Germany	.....	26	71,130	9,520
Hungary	.....	8	19,700	350
Italy	.....	16	107,200	21,600
Netherlands	.....	2	77,000	24,400
Norway	.....	1	1,000	.....
Poland	.....	6	7,100	.....
Portugal	.....	1	7,500	.....
Romania	.....	16	181,500	50,000
Spain	.....	2	5,700	5,400
Sweden	.....	4	25,800	2,900
United Kingdom:				
England	.....	16	113,450	10,900
Scotland	.....	4	22,700	4,300
Wales	.....	1	60,600	4,000
U.S.S.R. ³	.....	25	650,000	250,000
Yugoslavia	.....	5	8,300	.....
Total Europe	.....	169	1,707,500	463,920
Africa:				
Canary Islands	.....	1	10,000	5,000
Egypt	.....	2	39,000	7,000
South Africa	.....	1	.....	2,000
Total Africa	.....	4	49,000	14,000

WORLD REFINING CAPACITY AS OF JANUARY 1, 1950—Continued

(Barrels Per Day)			
Region and Country	Number of Refineries	Capacity	
		Crude Oil	Cracking ²
Near and Middle East:			
Bahrein Island	1	150,000 ●	30,000
Iran	2	502,100	155,000
Iraq	2	9,000	....
Israel	1	83,000	33,000
Kuwait	1	25,000	....
Lebanon	1	6,000	....
Saudi Arabia	1	140,000	20,000
Turkey	1	1,400	....
Total Near and Middle East.....	10	916,500	238,000
Far East:			
Australia	5	14,000	1,600
Burma	2	4,000	....
China	2	17,850	....
East Indies	8	203,100	58,000
India	1	5,750	1,500
Japan	12	34,300	1,000
Pakistan	1	4,800	2,000
Total Far East.....	31	283,800	64,100
Total Eastern Hemisphere.....	214	2,956,800	780,020
World total	685	11,375,470	3,483,103

² Includes both thermal and catalytic cracking processes.

[•] Estimated.

Authority: *The Oil and Gas Journal*; Bureau of Mines.

WORLD REFINING CAPACITY AS OF JANUARY 1, 1941

(Barrels Per Day)			
Region and Country	Number of Refineries	Capacity	
		Crude Oil	Cracking
Western Hemisphere:			
Canada	54	221,850	87,500
Mexico	7	99,800	18,830
United States	556	4,718,969	1,103,048
Caribbean:			
Colombia	2	14,500	.....
Netherlands West Indies.....	3	505,000	338,200
Trinidad	7	79,300	28,350
Venezuela	9	76,325	22,800
Total Caribbean	21	675,125	389,350
Other Latin America:			
Argentina	19	94,230	60,100
Bolivia	2	725	.....
Brazil	3	6,460	.....
Chile	3	535	.....
Cuba	1	4,200	2,100
Ecuador	3	2,350	.....
Peru	3	22,000	6,800
Uruguay	1	5,000	2,000
Total other Latin America.....	35	135,500	71,000
Total Western Hemisphere.....	673	5,851,244	1,669,728
Eastern Hemisphere:			
Europe:			
Austria	5	8,020	750
Belgium	7	12,175	2,300
Denmark	1	500	.....
Eire	2	10,600	.....
France	19	151,550	72,900
Germany	53	60,750	7,170
Hungary	7	11,670	350
Italy	10	57,300	28,600
Latvia	1	200	.....
Netherlands	1	15,000	12,500
Norway	1	1,200	.....
Poland	28	23,050	2,300
Portugal	1	5,000	1,500
Romania	49	224,200	49,200
Spain	1	1,500	.....
Sweden	1	3,500	2,700
United Kingdom	18	133,450	20,500
U.S.S.R.	19	637,500	178,500
Yugoslavia	3	4,800	.....
Total Europe	227	1,361,965	379,270
Africa:			
Belgian Congo	1	250	150
Canary Islands	1	5,000	4,100
Egypt	2	17,000	4,100
Libya	1	2,000	.....
Union of South Africa.....	1	1,000	.....
Total Africa	6	25,250	8,350
Near and Middle East:			
Bahrain Island	1	32,500	12,000
Iran	3	333,000	155,000
Iraq	2	4,000	.....
Palestine	1	40,000	20,000
Total Near and Middle East.....	7	409,500	187,000
Far East:			
Australia	3	4,100	1,000
India	7	37,000	10,600
Japan	17	52,600	16,250
Manchuria	1	3,000	850
Netherlands East Indies.....	7	160,000	28,500
Sarawak	1	20,000	.....
Total Far East.....	36	276,700	57,200
Total Eastern Hemisphere.....	276	2,073,415	631,820
World total	953	7,924,659	2,301,548

Authority: The Oil and Gas Journal; Bureau of Mines.

WORLD PRODUCTION OF MAJOR REFINED-OIL PRODUCTS, BY COUNTRIES, 1938 AND 1946²

(Thousands of Barrels of 42 U. S. Gallons)

Region and Country	Gasoline		Kerosine		Distillate Fuel Oils		Residual Fuel Oils		Lubricating Oils		Other Oil Products		Total Oil Products	
	1946	1938	1946	1938	1946	1938	1946	1938	1946	1938	1946	1938	1946	1938
North America:														
Canada	31,622	18,682	2,944	1,643	10,429	4,345	15,692	9,438	1,646	616	4,419	2,480	66,752	37,204
Cuba	490	532	216	171	430	163	73	...	25	9	240	10	1,474	885
Mexico	6,491	5,263	1,641	335	5,033	3,218	25,764	18,520	330	368	2,726	1,804	41,985	29,508
Netherlands West Indies	40,229	29,618	9,408	4,798	30,288	22,185	134,620	88,868	1,387	2,174	16,562	9,388	232,494	157,031
Trinidad	4,979	4,302	1,420	1,117	788	866	13,253	12,272	...	...	208	40	20,648	17,597
United States	776,054	569,162	104,385	64,580	287,896	151,774	431,364	294,890	45,645	30,826	175,337	108,798	1,820,701	1,220,030
Total North America..	859,865	627,559	120,014	71,644	334,864	182,551	620,766	423,988	49,033	33,993	199,512	122,520	2,184,054	1,462,255
South America:														
Argentina	8,467	7,580	3,345	1,691	2,511	2,187	9,673	8,621	...	393	3,055	1,881	27,051	22,333
Colombia	1,232	866	183	122	224	83	3,317	2,015	50	21	266	63	5,272	3,170
Peru	3,590	2,342	909	1,028	3,081	1,001	3,867	1,722	57	30	91	281	11,395	6,404
Uruguay	796	786	429	323	320	103	895	253	...	...	64	79	2,504	1,544
Venezuela	3,858	1,104	566	80	7,208	566	22,857	7,385	...	...	709	480	34,998	9,615
Other South America...	514	345	150	123	219	162	727	266	2	10	51	99	1,663	1,005
Total South America..	18,457	13,003	5,582	3,367	13,563	4,102	40,936	20,262	109	454	4,236	2,883	82,883	44,071
Europe:														
Belgium	50	653	31	148	218	384	...	779	39	...	290	392	628	2,356
France	7,023	20,315	670	2,104	2,223	4,266	7,009	14,579	361	1,617	467	2,171	17,753	45,052
Germany	1,429	13,219	260	561	2,432	934	9	3,050	408	1,121	562	3,415	5,100	22,300
Italy	52	3,585	18	1,194	53	1,792	53	2,930	...	636	24	1,227	200	11,364
Netherlands	891	898	...	...	452	...	1,159	1,058	25	...	1,221	237	3,748	2,193
Poland	319	848	137	1,023	216	652	...	554	137	...	84	522	893	3,599
Romania	9,377	12,921	4,053	6,510	3,734	6,223	9,850	14,138	714	458	986	2,815	28,714	43,065
United Kingdom	7,691	5,437	40	751	2,127	4,828	1,525	3,162	2,330	1,037	3,637	5,685	17,350	20,900
U.S.S.R.	23,885	31,255	37,435	48,988	7,873	10,302	51,913	67,932	7,650	10,010	29,044	38,013	157,800	206,500
Other Europe	6,105	2,309	2,446	1,878	850	668	3,248	1,593	43	111	1,049	75	13,741	6,634
Total Europe	56,822	91,440	45,090	63,157	20,178	30,049	74,766	109,775	11,707	14,990	37,364	54,552	245,927	363,963

WORLD PRODUCTION OF MAJOR REFINED-OIL PRODUCTS, BY COUNTRIES, 1938 AND 1946² —Continued

(Thousands of Barrels of 42 U. S. Gallons)

Region and Country	Gasoline		Kerosine		Distillate Fuel Oils		Residual Fuel Oils		Lubricating Oils		Other Oil Products		Total Oil Products	
	1946	1938	1946	1938	1946	1938	1946	1938	1946	1938	1946	1938	1946	1938
Asia:														
Bahrein Island	8,932 ³	2,563	4,494 ³	1,054	7,118 ³	1,151	13,526 ³	2,107	....	....	....	....	34,070	6,875
Burma .....	....	1,815	....	4,201	....	81	....	132	....	475	....	....	....	7,178
India .....	....	1,876	....	1,077	....	....	....	237	....	361	....	....	....	2,254
Iran	29,358 ³	21,003 ³	9,154 ³	5,540 ³	22,682 ³	10,886 ³	55,692 ³	37,318 ³	....	1,145 ³	889 ³	....	118,061	75,636
Iraq	300 ³	1,187	327 ³	155	1,523 ³	14	....	747	....	....	....	....	2,150 ³	1,103
Japan	188	5,117 ³	159	985 ³	529	1,267 ³	71	3,416	307	2,215 ³	368	....	1,622	13,000 ³
Lebanon	398	....	201	....	211	....	503	....	....	....	....	....	1,313	1,100 ³
Manchuria	120	433 ³	....	83 ³	....	107 ³	....	289	....	188 ³	....	....	....	49,711
Netherlands East Indies	5,400	19,345	165	7,217	202	8,453	512	10,835	....	176	20	3,685	1,019	....
Palestine .....	....	....	2,800	....	5,500	....	14,200	....	....	....	2,100	....	30,000	....
Sarawak .....	....	872	....	523	....	1,773	....	3,461	....	1	....	....	....	6,630
Saudi Arabia	7,681 ³	....	3,865 ³	....	6,121 ³	....	11,631 ³	....	....	....	....	....	29,298	....
Total Asia	52,377	51,914	21,195	20,835	43,886	23,732	96,135	58,542	307	3,054	3,633	5,410	217,533	163,487
Africa:														
Canary Islands	959	970	97	178	514	184	1,373	1,049	....	....	48	19	2,991	2,400 ³
Egypt	1,500	808	500	137	600	261	4,400	877	....	....	1,100	831	8,100	2,915
Union of South Africa	30 ³	10 ³	10 ³	2 ³	12 ³	3 ³	87 ³	11 ³	....	....	21 ³	11 ³	160	37
Total Africa	2,489	1,789	607	317	1,126	448	5,860	1,937	....	....	1,169	861	11,251	5,352
Oceania:														
Australia	487 ³	897 ³	51 ³	94 ³	11 ³	21 ³	401 ³	738 ³	....	....	....	....	950	1,750 ³
New Zealand	712 ³	600 ³	102 ³	86 ³	....	....	686 ³	578 ³	....	....	....	....	1,500	1,264 ³
Total Oceania	1,199	1,497	153	180	11	21	1,087	1,316	....	....	....	....	2,450	3,014
World total	991,209	787,202	192,641	159,500	413,628	240,903	839,550	615,820	61,156	52,491	245,914	186,226	2,744,098	2,042,142

² No later data available.

³ Estimated.

⁴ Includes natural gasoline sold directly to consumers from cycle plants.

⁵ Chiefly tractor fuel.

Authority: Bureau of Mines.

Americans Consume Three-fourths of the World's Gasoline

INDICATED WORLD DEMAND FOR GASOLINE,² 1946 AND 1947, BY COUNTRIES

(Thousands of Barrels of 42 U. S. Gallons)

	1947	1946		1947	1946
North America:			Europe—Continued		
Canada	39,736	35,847	United Kingdom	43,246	40,026
Central America	2,207	1,518	U.S.S.R. ³	33,515	31,460
Cuba	1,975	1,477	Other Europe	2,301	1,364
Mexico	9,366	7,991	Total Europe	133,611	119,912
Netherlands West Indies..	218	192			
United States	794,807	735,417	Asia:		
Other North America.....	3,558	2,013	British Malaya	828	614
Total North America....	851,867	784,455	Ceylon	511	468
			China and Hong Kong.....	4,119	2,639
South America:			India	5,551 ³	4,507 ³
Argentina	10,687	8,562	Iran	625 ³	544 ³
Brazil	7,504	7,196	Iraq	300 ³	250 ³
Chile	1,761	1,471	Japan	1,674 ³	678
Colombia	2,651	1,425	Netherlands East Indies...	2,342	791
Ecuador	328	307	Palestine	700 ³	751
Peru	2,081	1,546	Philippine Islands	2,475	737
Uruguay	1,010	915	Saudi Arabia	200 ³	181 ³
Venezuela	2,812	1,873	Syria and Lebanon.....	682	476
Other South America.....	352	377	Other Asia	3,282	1,854
Total South America....	29,186	23,672	Total Asia	23,289	14,490
			Africa:		
Europe:			Algeria	1,241	1,130
Belgium and Luxembourg..	3,820 ³	2,977	Egypt	1,941	1,867
Denmark	2,424	2,052	French West Africa.....	353	300 ³
Eire (Ireland)	1,382	1,002	Gold Coast	303	209
Finland	1,264	360	Morocco, French	1,153	599
France	15,753	15,828	Tunisia	500 ³	305
Germany (Bizonia)	3,749	3,069	Union of South Africa....	7,750 ³	2,814 ³
Greece	1,125	929	Other Africa	2,510	3,720
Hungary	1,346	1,253	Total Africa	15,751	10,944
Italy	4,749	1,799			
Netherlands	4,185	4,650	Oceania:		
Norway	1,963	1,848	Australia	12,044 ³	10,991 ³
Poland	1,552 ³	2,067	New Zealand	2,901	2,463
Romania	1,125	1,136	Other Oceania	2,708	2,896
Spain	2,706 ³	2,895	Total Oceania	17,653	16,350
Sweden	5,698	3,918	World total	1,071,357	969,823
Switzerland	1,708	1,279			

² The term "gasoline" in this table includes aviation gasoline, motor gasoline, naphtha, as well as natural gasoline and benzol blended with refinery gasoline to make commercial motor fuel or aviation gasoline.

³ Estimated.

Authority: Bureau of Mines.

U. S. Has Almost 70 Per Cent of World's Motor Vehicles

WORLD MOTOR-VEHICLE REGISTRATIONS, BY GEOGRAPHIC AREAS AND BY YEARS, 1924-1950

Year (As of January 1)	Africa	Asia	Europe	Oceania	Western Hemi- sphere (Outside the United States)	World Total (Outside the United States)	United States ²	World Total
1950.....	1,114,720	948,393	11,872,022	1,616,979	3,917,487	19,469,601	44,120,243	63,589,844
1949.....	850,171	756,208	10,737,148	1,491,967	3,473,165	17,308,659	40,622,264	57,930,923
1948.....	731,474	656,963	9,767,932	1,350,639	3,068,699	15,575,707	37,360,463	52,936,170
1947.....	608,870	487,220	6,641,099	1,332,201	2,795,968	11,865,358	33,945,817	45,811,175
1946.....	522,646	294,771	3,985,455	1,144,262	2,458,318	8,405,452	30,638,429	39,043,881
1945 ³	549,167	207,086	2,423,489	1,113,237	2,424,982	6,717,961	30,086,189	36,804,150
1944.....	(4)	(4)	(4)	(4)	(4)	(4)	30,499,608	(4)
1943.....	(4)	(4)	(4)	(4)	(4)	(4)	32,578,925	(4)
1942.....	(4)	(4)	(4)	(4)	(4)	(4)	34,472,145	(4)
1941 ³	561,152	595,111	1,842,832	1,161,501	2,435,374	6,595,970	32,035,424	38,631,394
1940.....	692,974	695,738	9,436,555	1,200,808	2,309,100	14,335,175	30,615,087	44,950,262
1939.....	668,778	666,550	9,093,555	1,140,100	2,106,867	13,675,850	29,442,705	43,118,555
1938.....	619,867	666,719	8,455,577	1,052,511	2,105,190	12,899,864	29,706,158	42,606,022
1937.....	562,892	625,718	7,791,665	972,059	2,001,459	11,953,793	28,172,318	40,126,111
1936.....	466,303	597,601	7,136,425	890,669	1,917,676	11,008,674	26,229,743	37,238,417
1935.....	408,380	543,035	6,559,751	800,693	1,863,618	10,175,477	24,954,004	35,129,481
1934.....	383,227	506,925	6,052,758	778,856	1,827,754	9,549,520	23,876,707	33,426,227
1933.....	369,814	486,292	5,498,704	740,016	1,896,380	8,991,206	24,132,609	33,123,815
1932.....	370,880	566,353	5,586,320	772,287	2,013,977	9,309,817	25,862,038	35,171,855
1931.....	351,931	551,467	5,287,472	805,545	2,097,289	9,093,704	26,531,999	35,625,703
1930.....	319,365	509,256	4,649,793	788,773	2,047,477	8,314,664	26,502,508	34,817,172
1929.....	275,173	427,066	4,138,016	707,609	1,809,346	7,357,210	24,511,683	31,868,893
1928.....	229,190	348,496	3,613,377	633,149	1,560,441	6,384,653	23,139,559	29,524,212
1927.....	187,476	295,477	3,102,769	517,856	1,370,750	5,474,328	22,052,559	27,526,887
1926.....	138,531	240,653	2,668,558	423,296	1,137,353	4,608,391	19,940,724	24,549,115
1925.....	101,151	184,158	2,115,221	289,136	924,606	3,614,272	17,612,940	21,227,212
1924.....	74,697	161,385	1,690,931	219,792	888,855	3,035,660	15,102,105	18,137,765

¹ Motor-vehicle registrations do not include publicly-owned vehicles.

² Europe and Asia estimated; data for many war areas not available.

³ Not available.

Authority: *The American Automobile* (overseas edition); Bureau of Public Roads.

U. S. PRODUCTION OF TUBULAR GOODS FOR THE OIL COUNTRY AND FOR OTHER USES, BY TYPES, 1938-1949

(Net Tons)

Type of Material	1949		1948		1947	
	Oil Country	All Other	Oil Country	All Other	Oil Country	All Other
Seamless steel . . .	1,249,629	1,234,032	1,417,735	1,669,577	1,256,291	1,638,538
Lap-weld	29,570	326,062	36,155	350,391	25,574	381,509
Butt-weld	1,277	2,011,696	4,280	2,149,341	2,619	1,861,011
Electric-weld . . .	124,995	2,052,239	137,508	1,728,146	113,823	1,263,822
Gas-weld and spiral-weld . . .	8,633	71,539	11,453	79,185	12,002	57,459
Total	1,414,104	5,695,568	1,607,131	5,976,640	1,410,309	5,202,309

Type of Material	1946		1945		1944	
	Oil Country	All Other	Oil Country	All Other	Oil Country	All Other
Seamless steel	956,786	1,392,649	935,755	1,903,849	965,734	2,155,543
Lap-weld	21,805	305,323	36,237	494,546	41,106	605,224
Butt-weld	1,254	1,456,678	581	1,549,991	.....	1,494,267
Electric-weld	115,117	749,598	145,220	901,836	119,865	952,126
Gas-weld and spiral-weld . . .	59,258		62,228		72,558	
Total	5,058,468		6,030,243		6,406,423	

Type of Material	1943		1942		1941	
	Oil Country	All Other	Oil Country	All Other	Oil Country	All Other
Seamless steel	570,264	2,320,860	408,958	2,120,455	857,676	1,677,499
Lap-weld	30,564	600,750	21,726	547,243	57,059	471,961
Butt-weld . . . . .	.....	1,409,883	438	1,447,204	932	1,817,492
Electric-weld	73,748	1,146,916	26,461	661,615	134,976	670,274
Gas-weld and spiral-weld	66,360		49,724		49,037	
Total	6,219,345		5,283,844		5,736,906	

Type of Material	1940		1939		1938	
	Oil Country	All Other	Oil Country	All Other	Oil Country	All Other
Seamless steel	843,310	1,117,033	859,226	875,985	863,554	413,467
Lap-weld	48,745	334,835	49,972	331,734	65,634	250,094
Butt-weld	1,410	1,373,136	42	1,179,452	636	717,892
Electric-weld	134,945	419,270	140,843	327,018	105,097	164,089
Gas-weld and spiral-weld	(²)		(²)		(²)	
Total	4,272,684		3,764,272		2,580,463	

² Not available.

Authority: American Iron and Steel Institute.

AVERAGE OCTANE RATING OF MOTOR FUEL,² BY YEARS, 1930-1950

Year	Regular-Grade Motor Fuel	Premium-Grade Motor Fuel
1950 (summer)	78.2	82.0
1949-1950 (winter)	77.1	81.2
1949 (summer)	76.4	80.4
1948-1949 (winter)	75.6	79.7
1948 (summer)	75.2	79.5
1947-1948 (winter)	75.3	79.4
1947 (summer)	75.1	79.2
1946-1947 (winter)	75.0	78.5
1946 (summer)	74.4	78.3
1945-1946 (winter)	75.9	80.9
1945 (summer)	69.7	74.9
1944-1945 (winter)	70.2	75.1
1944 (summer)	71.1	75.0
1943-1944 (winter)	71.7	75.8
1943 (summer)	72.0	79.1
1942-1943 (winter)	72.5	79.6
1942 (summer)	(³)	(³)
1941-1942 (winter)	(³)	(³)
1941 (summer)	74.7	80.2
1940-1941 (winter)	74.4	80.2
1940 (summer)	74.1	79.9
1939-1940 (winter)	72.7	78.5
1939 (summer)	71.4	78.8
1938-1939 (winter)	71.1	78.8
1938 (summer)	70.5	78.7
1937-1938 (winter)	70.8	78.2
1937 (summer)	70.0	77.7
1936-1937 (winter)	70.1	77.5
1936 (summer)	69.6	77.2
1935-1936 (winter)	69.6	76.7
1931 ⁴ (summer)	62.5	77.0
1930 (summer)	59.0	74.0

² ASTM test method.

³ No survey by Bureau of Mines.

⁴ No survey by Bureau of Mines between summer of 1931 and winter 1935-1936.

Authority: Bureau of Mines.

CONVERSION: GRAVITIES AND WEIGHTS FOR PETROLEUM PRODUCTS

(All Measurements at 60 Deg F)

Degrees API Gravity	Specific Gravity	Gallons Per Pound	Pounds Per Gallon	Pounds Per Barrel	Barrels Per Short Ton	Barrels Per Metric Ton	Barrels Per Long Ton
0.....	1.076	0.1116	8.962	376.40	5.31	5.86	5.95
10.....	1.000	0.1201	8.328	349.78	5.71	6.30	6.40
15.....	0.9659	0.1243	8.044	337.85	5.92	6.53	6.63
18.....	0.9465	0.1269	7.882	331.04	6.04	6.66	6.77
20.....	0.9340	0.1286	7.778	326.68	6.12	6.75	6.86
22.....	0.9218	0.1303	7.676	322.39	6.20	6.84	6.95
24.....	0.9100	0.1320	7.578	318.28	6.28	6.93	7.04
26.....	0.8984	0.1337	7.481	314.20	6.37	7.02	7.13
28.....	0.8871	0.1354	7.387	310.25	6.45	7.11	7.22
30.....	0.8762	0.1371	7.296	306.43	6.53	7.19	7.31
32.....	0.8654	0.1388	7.206	302.65	6.61	7.28	7.40
34.....	0.8550	0.1405	7.119	299.00	6.69	7.37	7.49
36.....	0.8448	0.1422	7.034	295.43	6.77	7.46	7.58
38.....	0.8348	0.1439	6.951	291.94	6.85	7.55	7.67
40.....	0.8251	0.1456	6.870	288.54	6.93	7.64	7.76
42.....	0.8155	0.1473	6.790	285.18	7.01	7.73	7.85
44.....	0.8063	0.1490	6.713	281.95	7.09	7.82	7.94
46.....	0.7972	0.1507	6.637	278.75	7.17	7.91	8.04
48.....	0.7883	0.1524	6.563	275.65	7.26	8.00	8.13
50.....	0.7796	0.1541	6.490	272.58	7.34	8.09	8.23
55.....	0.7587	0.1583	6.316	265.27	7.54	8.31	8.44
60.....	0.7389	0.1626	6.151	258.34	7.74	8.53	8.67
65.....	0.7201	0.1668	5.994	251.75	7.94	8.76	8.90
70.....	0.7022	0.1711	5.845	245.49	8.15	8.98	9.12
75.....	0.6852	0.1753	5.703	239.53	8.35	9.20	9.35
80.....	0.6690	0.1796	5.568	233.86	8.55	9.43	9.58
85.....	0.6536	0.1838	5.440	228.48	8.75	9.65	9.80
90.....	0.6388	0.1881	5.316	223.27	8.96	9.87	10.03
95.....	0.6247	0.1924	5.199	218.36	9.16	10.10	10.26
100.....	0.6112	0.1966	5.086	213.61	9.36	10.32	10.49

Authority: Gravities, gallons per pound, pounds per gallon, National Bureau of Standards;
others calculated.

REPRESENTATIVE WEIGHTS¹ OF PETROLEUM PRODUCTS IN INTERNATIONAL TRADE

Product	Gallons Per Pound	Pounds Per Gallon	Pounds Per Barrel	Barrels Per Short Ton	Barrels Per Metric Ton
Aviation gasoline	0.164	6.10	256	7.80	8.60
Motor gasoline	0.162	6.17	259	7.71	8.50
Natural gasoline	0.162	6.17	259	7.71	8.50
Kerosine	0.148	6.76	284	7.03	7.75
Gas oil, diesel oil, distillate fuel oils...	0.138	7.24	304	6.58	7.25
Residual fuel oils	0.127	7.88	331	6.04	6.66
Lubricating oils	0.133	7.50	315	6.35	7.00
Mineral oils, n. o. s. ²	0.133	7.50	315	6.35	7.00
Benzol	0.136	7.36	309	6.48	7.14
Mineral spirits	0.160	6.24	262	7.62	8.40
Liquefied petroleum gas	0.207	4.83	203	9.83	10.84
Paraffin wax .....	....	....	280	7.14	7.87
Petrolatum .....	....	....	280	7.14	7.87
Grease .....	....	....	350	5.71	6.30
Asphalt and road oil .....	....	....	364	5.50	6.06
Petroleum coke .....	....	....	401	4.99	5.50

¹ Approximate or representative figures only used by Bureau of Mines in converting international-trade data; should be used only for rough estimating. When API or specific gravity of product is known, use conversion table on p. 463. The gravity of petroleum products varies widely; for example, samples of motor fuel tested by Bureau of Mines in 1940 ranged from 55 to 75 deg API.

² Not otherwise specified.

Authority: Barrels per metric ton, Bureau of Mines; others calculated.

REPRESENTATIVE WEIGHTS¹ OF CRUDE OIL, BY COUNTRIES OF PRODUCTION, IN INTERNATIONAL TRADE

Country	Pounds Per Gallon	Pounds Per Barrel	Barrels Per Short Ton	Barrels Per Metric Ton
Albania	7.87	330.5	6.052	6.672
Argentina	7.60	319.2	6.266	6.908
Austria	7.70	323.2	6.188	6.823
Bahrain Island	7.16	300.9	6.646	7.328
Bolivia	6.80	285.7	7.026	7.746
British Borneo	7.39	310.5	6.442	7.103
Canada	6.91	290.4	6.888	7.594
Colombia	7.40	310.6	6.440	7.100
Czechoslovakia	7.75	325.7	6.140	6.770
Ecuador	6.92	290.7	6.881	7.587
Egypt	7.51	315.5	6.339	6.989
France	7.54	316.6	6.317	6.965
Germany	7.43	312.0	6.410	7.067
Hungary	6.88	289.0	6.920	7.630
India	7.04	295.5	6.769	7.463
Iran	6.94	291.5	6.862	7.566
Iraq	7.02	294.8	6.785	7.481
Italy	6.79	285.1	7.015	7.734
Japan	7.64	320.9	6.232	6.871
Kuwait	7.17	301.3	6.638	7.319
Mexico	7.52	315.8	6.334	6.984
Morocco, French	6.76	284.1	7.041	7.763
Netherlands	7.56	317.4	6.302	6.948
Netherlands East Indies	6.74	283.2	7.061	7.785
Pakistan	7.00	293.8	6.808	7.506
Peru	6.98	293.3	6.818	7.517
Poland	7.08	297.2	6.729	7.419
Romania	7.05	295.9	6.760	7.453
Sakhalin	7.70	323.3	6.186	6.820
Saudi Arabia	7.08	297.3	6.727	7.417
Trinidad	7.60	319.2	6.266	6.909
U.S.S.R.	7.23	303.5	6.590	7.266
United Kingdom	7.19	301.8	6.627	7.307
United States	7.22	303.1	6.598	7.274
Venezuela	7.66	321.9	6.213	6.850

¹ Approximate or representative figures only used by Bureau of Mines in converting international-trade data; should be used only for rough estimating. When API or specific gravity of the crude oil is known, use conversion table on p. 463. The gravities of crude oils in different fields vary widely; and, especially in the United States, where production is obtained from thousands of fields, the range of gravities is wide.

Authority: Barrels per metric ton, Bureau of Mines; others calculated.

WEIGHT CONVERSIONS

Unit	Equivalent Value			
	Pounds	Short Tons	Metric Tons	Long Tons
One pound	1.0	0.0005	0.00045	0.00045
One short ton.....	2,000.0	1.0	0.907	0.893
One metric ton.....	2,204.6	1.102	1.0	0.984
One long ton.....	2,240.0	1.120	1.016	1.0

Authority: Bureau of Standards

VOLUME CONVERSIONS

Unit	Equivalent Value					
	U. S. Gallons	Imperial Gallons	Liters	U. S. Barrels	Cubic Meters	Cubic Feet
One U. S. gallon.....	1.0	0.8327	3.7853	0.0238	0.0038	0.1337
One Imperial gallon..	1.201	1.0	4.5460	0.0286	0.0045	0.1605
One liter	0.264	0.220	1.0	0.0063	0.0010	0.0353
One U. S. barrel.....	42.0	34.9726	158.9838	1.0	0.159	5.6154
One cubic meter.....	264.173	219.97	999.973	6.2898	1.0	35.3199
One cubic foot.....	7.481	6.2288	28.317	0.1781	0.0283	1.0

Authority. Calculated by American Petroleum Institute from standard tables.

HEAT VALUES OF CLEAN CRUDE OILS¹

Deg API at 60 Deg F	Density (Pounds Per Gallon) ²	High Heat Values at Constant Volume	
		(Btu Per Pound)	(Btu Per Gallon)
10	8.337	18,540	154,600
20	7.787	19,020	148,100
30	7.305	19,420	141,800
40	6.879	19,750	135,800
50	6.500	20,020	130,100
60	6.160	20,260	124,800
70	5.855	20,460	119,800
80	5.578	20,630	115,100

¹ Typical heat values for crude oils free from water, ash, and sulfur. If oil contains much sulfur, results may be corrected by using a high heat value of 4,050 Btu for sulfur.

² Values are true values obtained by correcting all weights for buoyancy of air.

Authority: L. S. Marks, *Mechanical Engineers Handbook*.

HEAT VALUES OF VARIOUS TYPICAL PETROLEUM FUELS

	Gravity, API at 60 Deg F	Btu Per Pound Liquid		Gravity, API at 60 Deg F	Btu Per Pound Liquid
Commercial propane	0.509 ²	.....	Residuum:		
Commercial butane	0.582 ²	.....	Mid Continent	22.0	18,778
Gasoline	70.0	21,400	Mid Continent	14.3	18,454
Stove gasoline	66.0	20,400			
Kerosine	41.3	19,810	Residual fuel oils:		
Furnace distillate	38.0	19,650	California	16.5	18,319
Automotive diesel oil.....	35.0	19,550	Kentucky	15.2	18,651
			California	7.6	17,970
Crude oil:					
Pennsylvania	42.6	19,505	Cracked fuel oil, California.	11.3	18,088
Wyoming	31.5	19,510			
Oklahoma	31.0	19,502	Cracked residuum:		
Texas	30.2	19,460	Mid Continent	10.7	18,293
Mexico	13.6	18,755	Mid Continent	9.2	18,274
Topped crude oil:			Mid Continent	8.6	18,277
California	26.2	19,053	California	8.0	18,084
Mid Continent	25.5	19,182	Kentucky	3.3	17,837
Mid Continent	25.1	19,256			
Kentucky	24.4	19,358			

² Specific gravity.

Authority: Hodgman, *Handbook of Chemistry and Physics*; Marks, *Mechanical Engineers Handbook*; *The Oil and Gas Journal*.

HEAT VALUE OF REPRESENTATIVE MANUFACTURED AND NATURAL GASES

	Btu Per Cubic Foot of Gas at 60 Deg F and at a Pressure of 30 In. of Mercury	
	High	Low
Blast-furnace gas	93	92
Blue water gas.....	310	285
Carbureted water gas.....	578	529
Coal gas	634	560
Coke-oven gas	536	476
Natural gas:		
Follansbee, West Virginia.....	2,220	1,970
McKean County, Pennsylvania.....	1,482	1,350
Washington County, Oklahoma.....	1,125	1,064
Los Angeles County, California.....	1,123	1,053
Sandusky, Ohio	1,047	946
Navarro County, Texas.....	1,044	988
Nowata, Oklahoma	1,014	959
Tarrant County, Texas.....	738	698
Natural gas, residual:		
Follansbee, West Virginia.....	1,868	1,711
Oil gas	516	461
Producer gas	136	128

*Authority. Lange's Handbook of Chemistry, Hodgman, Handbook of Chemistry and Physics;
Marks, Mechanical Engineers Handbook.*

HEAT VALUE OF REPRESENTATIVE SOLID FUELS

Type	State and County	Per Cent Fixed Carbon	Per Cent Ash	Btu Per Pound
Coal:				
Anthracite	Schuylkill County, Pennsylvania.....	84.28	9.12	13,351
Semi-anthracite	Sullivan County, Pennsylvania.....	75.58	11.68	13,120
Bituminous A	Fayette County, West Virginia.....	70.2	3.5	14,650
Bituminous A	McDowell County, West Virginia.....	72.04	6.48	14,261
Bituminous B	Raleigh County, West Virginia.....	79.42	3.1	14,854
Bituminous B	Latimer County, Oklahoma.....	53.79	5.6	13,630
Bituminous B	Mingo County, West Virginia.....	56.85	6.34	13,898
Bituminous C	Williamson County, Illinois.....	49.05	8.6	11,860
Bituminous D	Weld County, Colorado.....	42.01	3.6	9,520
Cannel	Armstrong County, Pennsylvania.....	37.32	28.2	10,460
Cannel	Webb County, Texas.....	30.48	19.0	11,070
Lignite	Wood County, Texas.....	29.76	7.3	7,348
Lignite	Adams County, Colorado.....	30.23	7.38	6,982
Peat	Lake County, Florida.....	5.72	0.4	1,886
Peat	Marinette County, Wisconsin.....	4.66	8.2	1,498
Cokes:				
Petroleum coke		90.7	1.2	15,060
Pitch coke		97.6	1.0	14,097
Low-temperature coke		83.5	6.7	14,030
Gas works coke:				
Horizontal retorts		88.0	9.8	12,820
Vertical retorts		86.3	9.9	12,770
Narrow coke ovens.....		85.3	12.0	12,550
Byproduct coke		87.1	10.7	12,690
Beehive coke		86.0	11.7	12,527

*Authority: Lange's Handbook of Chemistry; Hodgman, Handbook of Chemistry and Physics;
Marks, Mechanical Engineers Handbook.*

HEAT VALUE OF WOOD FUELS

Variety	Btu Per Pound	Variety	Btu Per Pound
Cord wood: ²		Cord wood: ²	
Ash, white	7,669	Pine, white	8,044
Beech	7,679	Walnut, black	7,690
Birch, yellow	7,677	Non-resinous, seasoned	6,300
Chestnut	7,667	Charcoal, willow	13,530
Cottonwood	7,698		
Elm, white	7,683	Wood waste:	
Hickory	7,691	California redwood	4,570
Maple, sugar	7,677	Western hemlock	3,630
Maple, red	7,690	Douglas fir	5,800
Oak, red	7,691	Sawdust (green) Douglas fir	4,910
Oak, white	7,683	Briquettes (sawdust) Douglas fir	8,130
Pine, yellow	8,025	Tan bark	2,600

² Containing 12 per cent moisture.

Authority: Computed by American Petroleum Institute from Department of Agriculture data.

GROSS HEAT OF COMBUSTION OF PARAFFIN HYDROCARBONS

	Btu Per Pound of Vapor	Btu Per Cubic Foot	Btu Per Gallon of Liquid at 60 Deg F
Methane ²	23,775	1,007	.....
Ethane ²	21,973	1,755	.....
Propane ²	21,008	2,480	91,033
Isobutane ²	19,936	3,145	99,106
nButane ²	20,012	3,163	103,047
Isopentane	21,088	4,009	108,820
nPentane	21,088	4,009	110,125
nHexane	20,945	4,756	115,069
nHeptane	20,843	5,503	118,642
nOctane	20,765	6,250	121,420
nNonane	20,701	6,996	123,625
nDecane	20,653	7,743	126,934

² Actual gas volumes corrected for deviation.

Authority: Btu per foot and per gallon prepared by Technical Committee H on Light Hydrocarbons, ASTM, Committee D-2, others calculated

THE AMERICAN PETROLEUM INSTITUTE

The American Petroleum Institute is a trade association incorporated under the laws of the District of Columbia. Its objects, as stated in the charter, are:

To afford a means of cooperation with the government in all matters of national concern.

To foster foreign and domestic trade in American petroleum products.

To promote, in general, the interests of the petroleum industry in all its branches.

To promote the mutual improvement of its members and the study of the arts and sciences connected with the petroleum industry.

So many and varied are the Institute's activities that it is difficult to enumerate and to describe them. Briefly, they enter the fields of standardization, design, care, and good practice in the use of equipment; fundamental, technical, and medical research; safety and fire protection; waste disposal; testing methods and specifications; prevention of corrosion; collection and dissemination of petroleum information; pipe-line, highway, waterway, and railway transportation; petroleum statistics; public relations; measuring, sampling, and testing; employee training; economics; metallurgy; accounting; nomenclature; engineering; taxation; and agricultural services.

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The work of the Institute is accomplished by committees of oil men working in and through the API divisions and departments. Thousands of oil men now are members of these Institute committees, and are contributing of their time and talents to promote the general welfare of the industry.

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